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U. S. Department of Agriculture
★ MAR 17 1933

1933 Year Book

X-L Brand Seeds

**Diamond G
Feeds**

VEGETABLE
SEED TRIALS
HORTICULTURE



GRAHAM & ROSS

Seed and Feed Company

Corner 1st Ave. S. and 6th St.

GREAT FALLS, MONT.

MAR 6 1933

Read this Important Message

from your home merchant to
all the folks in this community

You may save from \$60 to \$75 on your food bill

We personally know someone in most every family in this town and countryside. We have talked with many of them about the troubles they have had to bear in these depressed times. After all, your burdens are our problems, too. This leads us to this conclusion:

- If more of our people would go back to planting a garden and raise their own vegetables, they would live better, feel better and be more prosperous.
- So in offering you “X-L” Brand garden and flower seeds, we point with pride to the fact that our prices are down and we sincerely believe that we will be doing you a real favor in selling you these seeds.

Get back to the old days of thrift our fathers and mothers told us about. Plant a vegetable garden this spring.

HOW TO ORDER

Write your name and address plainly and state whether you wish your merchandise to come by mail, express or freight.

KEEP A COPY OF YOUR ORDER and check goods when received. We use the greatest care in filling orders, but in spite of all, mistakes will occur. If so, kindly notify us immediately and the same will be promptly rectified.

INSURANCE: We are not responsible for goods after being delivered to the post office or general carrier. If you want your order insured, add 5c and we will insure any mail package.

PARCEL POST RATES

	First Pound or Fraction	Each Additional Pound or Fraction
FIRST & SECOND ZONES—Within 50 to 150 miles of Great Falls.....	8c	2c
THIRD ZONE—Within 150 to 300 miles of Great Falls.....	9c	2c
FOURTH ZONE—Within 300 to 600 miles of Great Falls.....	10c	4c
FIFTH ZONE—Within 600 to 1,000 miles of Great Falls.....	11c	6c
WEIGHT LIMIT—Packages are subject to a maximum of 70 lbs.		

Graham & Ross Seed Specialties for 1933

COLORADO RED McCLURE POTATOES

Montana Grown

A real money making seed potato must have the following characteristics

- First—Good Keeper
- Second—Good Cooker
- Third—High Yielder

This new potato, introduced into Montana last year, has all of the above characteristics and, in addition, has been proven to be an exceptionally large yielder on poor soil. We term this potato a mid-season as it comes into production just after the Early Ohio. While the potato has a pink skin when matured, it cooks absolutely white and is exceptionally dry. For best results in Montana, plant the first of May. Our supply of this seed is limited and orders will be filled in rotation. We urge that you try at least a few pounds of this new variety as we feel it will become one of the most popular varieties for Montana. 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.00; 500 lbs., \$9.25, F.O.B. Great Falls.

“X-L” SPECIAL DARK GREEN CUCUMBER

(STAYS GREEN)

This new cucumber is the earliest of the White Spine type. Fruit 7 to 8 inches long, color a beautiful dark green from stem to blossom end, which is retained longer than any variety we know of. Vigorous grower, enormous yielder and always commands the highest market price. Pkt., 5c; 1 oz., 25c; ¼ lb., 70c; ½ lb., \$1.25; 1 lb., \$2.00, postpaid.

NEW ZINNIA—CUT AND COME AGAIN

PINKIE—Medium flowers of a light rose pink with long stems especially suitable for cut flowers and for massing in the garden. A continuous succession of blooms are produced throughout the summer, making the name “Cut and Come Again” most appropriate. Pkt., 15c; ¼ oz., \$1.25; ½ oz., \$2.00, postpaid.

Seed Specialties for 1933

X-L EVER BEARING GARDEN PEAS

Montana Grown

A new variety imported from France and, from trials conducted last season, it is without doubt the greatest ever-bearing pea yet introduced. The bushes grow from two to three feet high and carry long pods with twelve to fourteen peas in the pod. During the season of 1932 the last crop harvested from this new variety was October 28. Plant a few rows and be assured a continuous crop of delicious garden peas until severe frost. Pkt., 10c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.00, postpaid.

GOLDEN HUMMER SWEET CORN

We have found an ever increasing demand for early sweet corn having all of the good qualities of regular Golden Bantam together with a larger ear and having an earlier maturing season. Such a corn is Golden Hummer. The stalks grow from 5 to 6 feet in height and have ears 10 to 12 inches in length filled with rows of rich, golden colored kernels with the same delicious sweet flavor of Golden Bantam. Pkt., 5c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 2 lbs., \$1.10, postpaid.

MARIGOLD (GUINEA GOLD)

A new and distinct type of Marigold, excellent for both cut flower and garden use. The flowers are a brilliant orange, double, ruffled, with loose placed petals. This new variety is destined to take the place of the old type Marigold which is found in all flower gardens. Pkt., 15c; ¼ oz., \$1.25; ½ oz., \$2.00, postpaid.

THE MOST TALKED OF NOVELTY OF THE SEASON

BODGER'S NEW DOUBLE SWEET-SCENTED NASTURTIUM "GOLDEN GLEAM"

As a bedding plant it is unsurpassed. The neatly formed, vigorous growing plants covered with a mass of the large golden yellow flowers, produce a blaze of color in the garden. The flowers are borne on erect stiff six-inch stems which leaves the foliage practically hidden. When fully developed the plant sends out short runners, also bearing numerous flowers, which makes it an ideal flower for window boxes. The long stems lend themselves admirably to cut flower use, and the sweet scented flowers impart a delightful fragrance to the room in which they are used. Truly an all around plant that no flower garden is complete without. Pkt., 10c; ½ oz., 40c; 1 oz., 60c; ¼ lb., \$2.00, postpaid.

GRAHAM & ROSS COMPANY'S SWEET PEA NOVELTIES

Each season, new introductions of this most popular flower are introduced, and our company endeavors to choose the outstanding varieties and offer to our ever increasing list of sweet pea enthusiasts.

SPENCER VARIETIES

CAPTAIN BLOOD—This new variety is properly named, as it is the most brilliant and dazzling scarlet sweet pea yet introduced. The flowers are large and bold, borne on stout stems produced on a vigorous vine. The ideal sweet pea for exhibition and garden decoration.

LOCH LOMOND—For years breeders have endeavored to produce a rich brown color in sweet peas and have become successful in this new variety. Color, a pure deep mahogany brown, which will produce a striking contrast in any flower garden.

TIP-TOP—All sweet pea lovers will appreciate the fact that they can now secure a deep, true blue. This new sweet pea produces flowers almost indefinitely making it an exceptionally desirable garden variety. The flowers are mammoth in size, carrying four and five brilliant blossoms on long, stout stems.

Prices on above three varieties Pkt., 20c; ½ oz., 40c; oz., 75c.

GRAHAM & ROSS COLLECTION OF 1933 SPENCER NOVELTIES

One package each of these three new novelties postpaid your station, 50c (regular value, 60c).

TOBACCO

Montana Grown

One ounce will produce about 5,000 plants.

Culture—Tobacco seed is sown and cultivated just like cabbage.

Grow your own tobacco and have a good supply of pure unadulterated natural leaf that has not been "doped" or "doctored" up by the manufacturers.

Our strain of "X-L" Tobacco Seed has produced large mild leaves of tobacco here in MONTANA for the past 5 years. Pkg., 5c; oz., 45c; ¼ lb., \$1.50, postpaid.

TO OWNERS OF PETS

We issue the largest and most complete catalogue of Pets and Pet Supplies issued in the West.

A FREE copy will be mailed you upon request.

I thought you might be interested in knowing that last year I purchased some of your "X-L" Giant Red Eckendorfer Mangle Stock beets and planted them on dry land that had been summer fallowed. They never received any water all season and at harvest time I had beets weighing from 9 to 11 pounds each. They make their best growth after July.—G. C. Beatty, Portage, Montana.

Your "X-L" Brand of Rutabagas are sure fine. I received First Prize at the North Montana Fair and my son received first prize in the 4-H club. I am a user and booster for your seed.—Brad Clark, Fort Shaw, Montana.

Protect your flowers from all leaf eating insects and fungus diseases by using All Around Spray. See page 27 for description.



View showing part of "Home Sweet Home" truck garden west of Great Falls, owned by Nicholas Poncelot & Sons. Notice Hot-Kaps covering cucumber hills. For detail see page 12.

VEGETABLES

FROM YOUR OWN GARDEN
ALWAYS TASTE BEST

PLANT A BIG GARDEN THIS SPRING

From Our "X-L Brand" Northern Grown Hardy Seeds

For Pleasure—For Profit—For Health

MOST VEGETABLES lose that delicious flavor soon after being pulled. Some will keep and retain the flavor for some time but most of them will not. Shipped-in vegetables or vegetables offered for sale at the store may be passable, but you soon get enough of them and they lack the fine flavor that calls for more. Too often they are over-ripe or partly green or hard and woody and tasteless. And here is another important angle: vegetables from your own garden are best for canning and vegetables canned in your own kitchen are tasty, have good food value, are wholesome and are preferred to canning factory products.

All Prices Postpaid Unless Otherwise Specified

ASPARAGUS

Is Good For Your Health

1 oz. to 50 feet of drill.

Asparagus is a regular spring tonic. Grows for anyone. A little room, ordinary care and you won't fail. Won't freeze, dry, drown or hail out. Plant early, either seeds or plants ten inches apart in rows and rows any convenient distance apart. Keep down weeds and you'll have asparagus.

WASHINGTON—This asparagus which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rust free. The shoots are thick and heavy. Pkt., 5c; oz., 20c; ¼ lb., 55c; 1 lb., \$1.50, postpaid.

ASPARAGUS ROOTS

(Washington Rust Resistant)

A home garden will take one hundred plants for a patch 12 by 20 feet. Strong, two-year old plants. Doz., 40c; 25, 70c; 50, \$1.25, postpaid. 100, \$2.00 not postpaid.

POLE BEANS

Pole beans are later than Bush beans which works out all right, as you can use the Bush beans for the first part of the season and the Pole beans during the latter part. They, as a rule, yield heavier and produce beans of richer quality.

KENTUCKY WONDER WAX—The earliness and hardiness of this variety recommend it for growing even in northern states. It is extremely productive with pods nine inches long.

KENTUCKY OR OLD HOMESTEAD—The old reliable. The most popular green-podded climbing bean. The pods are eight to nine inches long, fleshy, curved, tender and of good quality.

BUSH LIMA BEANS

BURPEE'S IMPROVED BUSH LIMA—It is better than the old Bush Lima because it is earlier and larger. Seed thick and of good quality.

WINTER BEANS

GREAT NORTHERN—Larger than the Navy and rather flat in shape. The hardiest bean for the northwest. One of the most profitable sorts that can be raised. Can be used in many ways and especially good as a baking bean. Our stock is all hand-picked.

BEANS

2 lbs. to 100 ft. of drill, or 150 hills;
120 lbs. to the acre in drills.



"X-L" Golden Wax Beans

DWARF OR BUSH BEANS

GIANT STRINGLESS GREEN POD—The most widely grown of all the green podded varieties. Is very early and of best quality. The dark green pods are round, straight, thick, meaty and strictly stringless and brittle.

BOUNTIFUL—Earliest Green Pod Bean and a Continuous Bearer—It bears continuously for several weeks, being the first to give pods fit to pick in the spring and the last to yield edible pods in the fall. The large green pods are thick, broad, flat, extra long, very uniform in shape, solid, meaty, and of high quality, tender, of delicious flavor and absolutely stringless. Ready for picking in 38 to 42 days.

IMPROVED GOLDEN WAX—This is the very finest selected strain of the golden wax bean and has for years been our most popular sort. It seems to be especially suited to northwestern climatic conditions. Pods are large, fleshy and entirely stringless. Color is a bright golden. A very early sort and highly rust resistant.

PENCIL POD BLACK WAX—An old favorite sort, hardy, productive and of excellent flavor. Long, golden yellow pods, stringless and brittle.

1933 BEAN PRICES

BEANS	Postpaid Prices				Not P. P.
	Pkt.	¼ lb.	½ lb.	1 lb.	
Giant Stringless Green Pod....	.05	.15	.25	.45	\$1.25
Bountiful .....	.05	.15	.25	.40	1.25
Improved Golden Wax.....	.05	.15	.25	.40	1.15
Pencil Pod Black Wax.....	.05	.15	.25	.45	1.25
Kentucky Wonder Wax.....	.05	.15	.25	.45	1.50
Kentucky Wonder Green.....	.05	.15	.25	.45	1.50
Improved Bush Lima.....	.05	.15	.25	.45	1.50
Great Northern Winter Bean				.15	.40

25 lbs., \$1.75; 50 lbs., \$2.75; 100 lbs., \$5.25.

I have purchased garden seeds from you for a number of years and have been well pleased with them. I am engaged in truck gardening and, as my living depends upon the vegetables I sell, I must be very particular that I get true-to-type seed. It is an asset to me and to other market gardeners in this vicinity that we have an up-to-date, reliable seed store such as yours in Great Falls.—Mr. James Bolla, Route No. 1, Great Falls, Montana.

A few strips of bacon sure puts the finishing touch to Green Beans.



"X-L" Early Wonder Beets raised by Elmer Paulson, Great Falls. "X-L" Wonder Beets are the best I ever raised," Mr. Paulson said.

MANGEL BEETS FOR STOCK FEEDING

They certainly are a valuable crop, especially for dairy-men and poultrymen. In fact, they can be fed with profit to any stock that will eat them. Feed them right along with hay or grain or whatever you are feeding and you will get more out of your other feeds. Keeps your stock in better condition and increases the milk flow and egg production wonderfully.

Sow in April and May in a deep mellow seed bed, well manured, in drills 18 inches apart and about two inches deep. Four to six pounds are required to the acre.

RED ECKENDORF—The Eckendorf Mangel is a phenomenal yielder and is more largely planted in Germany than any other sort. It is easy to harvest as the root comes to the largest part above the ground. The roots are smooth, of cylindrical shape, and weigh from 15 to 25 pounds. The flesh is white, firm and of high nutritive value. This is one of the best varieties. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 60c, postpaid. 5 lbs., \$2.10, not prepaid.

MAMMOTH LONG RED—This is the heaviest cropping and the largest of all Mangels with frequent yields of 40 tons per acre. It grows well above the ground and is easily harvested. The deep red roots are straight, well formed and solid. The flesh is pinkish white. This variety is particularly adapted to a deep soil. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c, postpaid. 5 lbs., \$2.00, not prepaid.

GOLDEN TANKARD—A variety noted for its milk producing properties. The flesh is firm and solid and of a rich golden yellow color. It grows well above the ground and yields on light soils. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c, postpaid. 5 lbs., \$2.00, not prepaid.

GIANT HALF SUGAR ROSE—This is an intermediate type between the sugar beet and mangel, combines sugar content to a degree with the size of the mangel, thus improving the quality of the feed and maintaining the quantity. Rose colored skin, white flesh. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 60c, postpaid. 5 lbs., \$2.10, not prepaid.

CITRON

A round, handsome fruit of small size, with white, solid flesh; it is used in making sweetmeats and preserves. Ours is the old standard strain. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 55c; 1 lb., 90c, postpaid.

CAULIFLOWER

1 oz. of seed will produce 2,000 plants.
¼ oz. to 100 feet of drill.

See Page 21 for Cauliflower Plants

EXTRA EARLY SNOWBALL OR DANISH PERFECTION—This new strain possesses all the good qualities of the best early Snowball and is more uniform in maturing. Develops heavier foliage, making better protection for the heads. The heads are very firm, solid and snow white. This is a sure header. Pkt., 10c; ¼ oz., 75c; ½ oz., \$1.25; 1 oz., \$2.25 postpaid.

TABLE BEETS

1 oz. to 50 ft. of row; 5 to 6 pounds per acre in drills.

Postpaid prices on following varieties of table beets: Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 55c; 1 lb., \$1.00.

EARLY WONDER BEET—This new beet is becoming very popular with market gardeners who grow for the early market, as Early Wonder is the earliest variety of beet. It is vermillion red; has small top; globe shaped and is a money maker. It is deserving of a trial in your garden this year.

EXTRA EARLY EGYPTIAN—(42 days). One of the earliest beets. The color of the flesh is a dark purplish red zoned with a lighter red shade. Roots are rounded on top but flat on bottom ends. Small tap root and sparse foliage make this variety suitable for forcing.

DETROIT DARK RED—(55 days). Roots round and medium size; good deep red color. An old time standard for home gardens, market or canners.

EXTRA EARLY BLOOD—This beet is very early; ringed red and white, absolutely perfect in shape; roots are globular and peculiarly smooth; very crisp, fine grained and sweet at all stages of its growth. Has small tops and can be used six weeks from sowing.

SUGAR BEETS

KLEIN WANZLEBEN—A hardy and easily grown white, wedge-shaped sugar beet. This variety combines heavy yield with an extremely high sugar content. The sugar beet is not only a source of sugar but an excellent stock food and a heavy milk producer. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; 1 lb. 60c, postpaid; 5 lb \$2.10 Not prepaid.

SWISS CHARD

1 oz. to 50 ft. of drill.

Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 95c, postpaid.

GIANT LUCULLUS—The Swiss Chard or Spinach beet is prepared for the table in the same manner as spinach; sometimes, however, the midrib is prepared like asparagus. Seed planted early in the spring will quickly produce plants from which cuttings may be made in 24 days, and continued all summer.

BRUSSELS SPROUTS

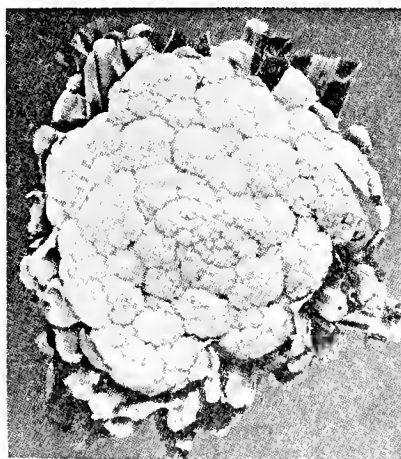
1 pkt. will produce 200 plants; 1 ounce about 3,000 plants.

(Species of Cabbage; cultivation the same)

LONG ISLAND IMPROVED—Undoubtedly the best and most dependable sort of this most delicately flavored of the Cabbage family. This variety is the earliest, most dwarf and compact. Pkt., 5c; ½ oz., 20c; oz., 35c; 2 oz., 60c; ¼ lb., 90c postpaid.

NOTICE TO OUR CUSTOMERS

If you wish to know germination tests on any sorts of garden seed that we sell, we shall be glad to furnish them.



"X-L" Brand Sugar Beet seed won me considerable prize money in premiums this past year. — Ralph Parker, Jr., Fort Shaw, Montana.

"X-L" Select Snowball Cauliflower

CABBAGE

See Page 21 for Cabbage Plants

1 oz. of seed for 2,000 plants; ½ lb. per acre.

In growing a profitable crop of Cabbage, much depends upon the seed planted. Our seed is all carefully grown from selected heads and under the supervision of expert cabbage seed growers. You can place an order for our seed with the assurance that you are getting the best that money can buy.

FOR EARLY USE, WE RECOMMEND ESPECIALLY GOLDEN ACRE AND COPENHAGEN MARKET. FOR LATE USE, DANISH BALLHEAD. FOR THE MAKING OF SAUER-KRAUT, GLORY OF ENKHUIZEN.

FIRST EARLY

GOLDEN ACRE—The finest variety that has been developed in years. Once used, it is preferred by all people on account of the extreme earliness, perfect heads, and wonderful keeping qualities. It will mature about 7 days ahead of the earliest strains of Jersey Wakefield, considered the standard early of the country.

EARLY JERSEY WAKEFIELD—The earliest and most sure heading of the first early cabbages and largely grown in the south for shipment to early northern markets. Plants exceedingly hardy, with a short stem; heads of medium size, very solid, uniformly pointed and excellent quality.

COPENHAGEN MARKET—The finest large, round-headed, early cabbage. Very solid; of fine quality; short-stemmed.

GLORY OF ENKHUIZEN—The earliest and largest white cabbage—attractive for market purposes. Solid with large ball shaped heads thin-ribbed and hard, few outside leaves; exceedingly tender. Is a dwarf and compact grower; allowing close planting; will yield more tons per acre than any other variety, 90 days.

EARLY DWARF FLAT DUTCH—An excellent, large, second-early flat variety, producing solid heads.



"X-L" Copenhagen Market Cabbage

LATE OR WINTER VARIETIES

LARGE LATE FLAT DUTCH—For a main or fall crop of large flat heads nothing is superior to this sort. It is very hardy, a reliable header and never disappointing when a good strain is planted.

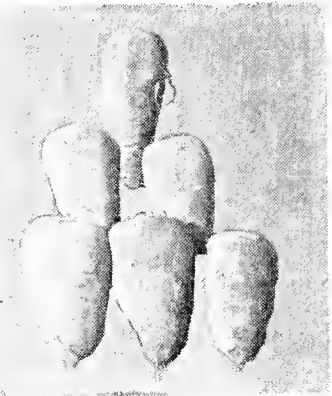
DANISH BALLHEAD—A well known variety on account of its solid heads and unsurpassed keeping qualities. Heads are of medium size with few outer leaves. Solid, crisp, tender with small amount of waste.

HOLLAND SHORT STEM IMPORTED—This is an improved form of the Danish Ballhead and will average more in weight per head than the old type. Shorter stemmed, very vigorous and has developed a wonderful capacity for withstanding hot sun.

MAMMOTH RED ROCK—The largest and surest-heading red cabbage. The heads are round and remarkably solid.

1933 CABBAGE PRICES

		Postpaid Prices			
FIRST EARLY		Pkt.	Oz.	¼ lb	1 lb.
Golden Acre	.....	.05	.40	\$1.50	\$5.00
Early Jersey Wakefield	.....	.05	.25	.85	2.75
Copenhagen Market	.....	.05	.25	.85	3.00
Glory of Enkhuiizen	.....	.05	.25	.85	3.00
Early Dwarf Flat Dutch	.....	.05	.25	.75	2.25
LATE OR WINTER VARIETIES					
Large Late Flat Dutch	.....	.05	.25	.75	2.25
Danish Ball Head	.....	.05	.25	.85	3.00
Holland Short Stem Imp'ted	.....	.05	.30	1.00	3.50
Mammoth Red Rock	.....	.05	.30	.90	3.25



"X-L" Oxheart Carrots grown at 3221 First avenue north, Great Falls.

CARROTS

1 oz. to 100 ft. of drill; 3 to 4 lbs. to the acre.

CHANTENAY or MODEL—This is an excellent medium early half-long, stump rooted variety. The roots are smooth and are from 5 to 6 inches long, with rich orange-red flesh of the finest quality. It is a great favorite with the market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 95c, postpaid. Not prepaid 5 lbs., \$3.50.



"X-L" Coreless Carrots, raised by Elmer Paulson, Great Falls, Mont.

CORELESS—The most strikingly handsome early carrot we know. The deep orange roots are exceptionally smooth, cylindrical, 6 inches long by 1½ inches in diameter, and free from woody heart or core. This is worth a trial. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.05; 1 lb., \$2.00, postpaid; Not prepaid: 5 lbs., \$6.25.

DANVERS HALF LONG—The best known second early half long sort, a great yielder and a first class carrot for all soils. The roots are smooth, from 6 to 8 inches long, tapering to a blunt point, a deep orange in color, with close texture flesh and little core. Although the roots are comparatively short, they yield as heavily as the large sorts. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 95c postpaid. Not prepaid: 5 lbs., \$3.50.

OXHEART or GUERANDE—One of the most valuable and popular varieties. When fully grown the type is about 5½ inches long, 3½ inches thick at the shoulder and about 2 inches thick at the bottom. With bright orange flesh, fine grained and sweet, it is of fine quality for table use and equally good for stock. It is very easily dug or pulled and is probably our heaviest yielding carrot. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c, postpaid. Not prepaid, 5 lbs., \$3.75.

IMPROVED LONG ORANGE—Uniform in shape and size, 8 to 10 inches long; smooth and of rich orange color. An excellent keeper. Fine quality for table use. Also planted extensively for stock feeding on account of its high yielding qualities and food value. Succeeds best in light soil. Ten days later than Danvers. Pkt., 5c; oz., 10c; ¼ lb. 30c; ½ lb., 50c; 1 lb., 90c postpaid. Not prepaid, 5 lbs., \$3.75.

"X-L" SWEET CORN**Montana Grown**

One pound for 150 to 200 feet of drill, or 100 hills; 12 lbs. per acre.

CULTURE—Plant in drills about three feet apart, one kernel every six inches, or in hills $2\frac{1}{2}$ feet apart in the row, and the rows 3 to $3\frac{1}{2}$ feet apart, dropping four or five kernels in a hill. Sweet corn or any sort should not be planted until the ground has become warm, as cold, wet ground is sure to rot the seed before it can germinate.

VARIETIES LISTED IN ORDER OF EARLINESS

GOLDEN HUMMER SWEET CORN—We have found an ever increasing demand for early sweet corn having all of the good qualities of regular Golden Bantam together with a larger ear and having an earlier maturing season. Such a corn is Golden Hummer. The stalks grow from 5 to 6 feet in height and have ears 10 to 12 inches in length filled with rows of rich, golden colored kernels with the same delicious sweet flavor of Golden Bantam. Pkt., 5c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; 1 lb., 60; 2 lbs., \$1.10 postpaid. Not prepaid, 5 lbs., \$2.50.

EARLY GOLDEN SUNSHINE—A golden cross developed by Professor A. F. Yeager of the North Dakota Experiment Station, with twelve-rowed ears, seven to eight inches long. In our plantings, ten days earlier than the earliest strain of Golden Bantam and much larger, this is the closest to the Bantam in quality of any of the golden crosses. A great corn for the home garden and one the market gardener needs. Pkt., 5c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 2 lbs., 75c postpaid. Not prepaid, 5 lbs., \$1.75.

PEEP O'DAY—The stalk grows from 3 to 4 feet in height. The ears average about 5 inches in length and are well filled out to the tip. About seven days earlier than Golden Bantam. Pkt., 5c; $\frac{1}{2}$ lb., 25c; 1 lb., 35c; 2 lbs., 65c, postpaid. Not prepaid, 5 lbs., \$1.10.

GOLDEN BANTAM—The finest Sweet Corn in cultivation and most popular. It is the sweetest and tenderest, a heavy producer and the ears remain eatable for a long time. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 60c postpaid. Not prepaid: 5 lbs., 85c; 10 lbs., \$1.50; 50 lbs., \$6.50; 100 lbs., \$12.00.

BURBANK BANTAM—We consider this new variety of corn a gold mine for the market gardener. A tremendous yield of large ears containing from 14 to 16 rows. Seven days later than the original Golden Bantam but containing the famous Golden Bantam flavor. A wonderful variety for the market gardener on account of its large ears which finds a ready sale. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 2 lbs., 60c; postpaid. Not prepaid: 5 lbs., \$1.00; 10 lbs., \$1.80.

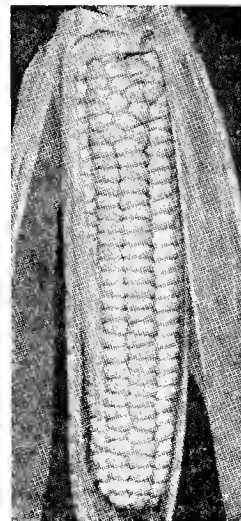


"X-L" Burkank Bantam, grown by L. Hanson, Vaughn, Montana.

"X-L" GOLDEN BANTAM SWEET CORN

Serve it fresh from your garden—it will melt in your mouth.

Two years ago we purchased some Burbank Bantam Corn from you and like it better than Golden Bantam. We can highly recommend your Burbank Bantam as we have taken many prizes on it.—Mr. Ralph Clark, Fort Shaw, Montana.

**POP CORN**

GOLDEN TOM THUMB—Our X-L Brand of this variety produced the corn winning both First and Second Prize at the North Montana Fair. It is the very earliest variety of pop corn grown and so is exceptionally valuable in the northwest. It produces ears five to six inches long containing twelve rows. Pops easily into large, snow white kernels. Pkt., 5c; $\frac{1}{4}$ lbs., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c postpaid.

Roasting-ears fresh from your own garden are twice as good as those that have been pulled a day or two.

CELERY

See Page 21 for Celery Plants

$\frac{1}{4}$ oz. to 100 ft. of row.

1 oz. will produce 7,000 plants.

CULTURE—Sow the seed (which is slow to germinate) in shallow boxes in the house early in the spring. One-eighth inch of soil to cover is sufficient. Transplant to open ground in June or July. Set plants in rows 3 feet apart and 5 inches apart in the rows, in ground thoroughly enriched and cultivated. Celery should receive enough water at all times to prevent its growth being checked. Earthing up may then begin and continue as long as the plants grow. At approach of severe freezing weather plants should be dug and may be stored in a dark, cool cellar, standing upright with the roots in a little moist sand.

GOLDEN SELF-BLANCHING—Ours is a superior, dependable strain of this standard celery for early use. It is not quite as early as White Plume, but the plants are heavier and of more compact growth. Self-blanching, the color is a rich golden yellow; nearly stringless; the stalks are thick, crisp and brittle; while for flavor this sort is unsurpassed. Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 80c; $\frac{1}{4}$ lb., \$2.50; 1 lb., \$7.50, postpaid.

CHICORY

WITLOOF CHICORY OR FRENCH ENDIVE—Grown for its use as a salad, the blanched head resembling Cos Lettuce in appearance. Pkt., 5c; oz., 30c, postpaid.

COLLARDS

GEORGIA, SOUTHERN OR CREOLE—We offer the true white or green stemmed sort. Pkt., 5c; oz., 25c, postpaid.

CORN SALAD

LARGE ROUND-LEAVED—This is a small, quick growing salad plant for late fall or early spring. It may also be cooked for greens. About 300 seeds to the packet. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 70c, postpaid.

"X-L" Brand Pop Corn won me First and Second Prizes at the North Montana Fair. I have always found your seeds dependable and recommend them to everyone.—Mr. John Johnston, Simms, Montana.



"X-L" Davis Perfect Cucumber, raised at Vaughn, Montana, last season.

"X-L" CUCUMBERS

See Page 21 for Cucumber Plants

One ounce for 50 hills; two pounds per acre.

CULTURE—As soon as the weather becomes warm and settled in the Spring, plant in well-prepared soil in hills four or five feet apart each way with eight or ten seeds in a hill; cover one-half inch deep with soil well firmed to prevent too rapid evaporation. When plants are well developed weed out all but four or five of the strongest. Thorough but shallow cultivation is essential.

EARLY FORTUNE—Extra early, of perfect quality for eating and shipping, uniform and well shaped for small pickles, with strong, healthy foliage and a vigorous growth which proves its strong resistance to all diseases. Does not wilt quickly, nor ripen up too fast, and is a tremendous yielder. In trials with all other American varieties it has stood out as supreme. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.25, postpaid.

IMPROVED WHITE SPINE—One of the earliest and most productive of the famous White Spine group. Fruit about 7 inches long, rounded at both ends, and of bright, deep green color. Very popular as a market variety on account of its good keeping qualities. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.10, postpaid.

DAVIS PERFECT—A grand variety. Dark, glossy green, slim and symmetrical, with an average length of 10 to 12 inches. They hold color till nearly ripe, when they turn white without a yellow streak on them. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.30, postpaid.

GRAHAM & ROSS SPECIAL—A new cucumber called "Three to the Yard." This new variety is very early, bearing long firm plants from 7 to 12 inches in length. The fruit is deep green to the tips, solid, crisp and of excellent flavor. Pkt., 5c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.25; 1 lb., \$2.00, postpaid.

IMPROVE LONG GREEN—This old favorite variety is unequalled among the later sorts. The rich dark green fruits average 12 inches long with crisp white flesh. The standard of table quality and unexcelled for pickles when small. Our stock is superior. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.15, postpaid.

"X-L" DARK GREEN—The Cucumber that stays Dark Green. It is the earliest of the White Spine type. Fruit 7 to 8 inches long, color a beautiful dark green from stem to blossom end, which is retained longer than any variety we know of. Vigorous grower, enormous yielder and always commands the highest market price. Pkt., 5c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.25; 1 lb., \$2.00, postpaid.

CHICAGO PICKLING—The old reliable variety for making small pickles; very profitable variety for those who sell to canners as it is used almost exclusively by the largest factories. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.10, prepaid.

SERPENT OR SNAKE CUCUMBER—A new and odd variety that everyone should plant. Grows in a curious, usually much twisted shape, resembling a serpent. Pkt., 5c; oz., 25c, postpaid.

CELERIAC

GIANT SMOOTH PRAGUE—The leaves are cut when young and used to flavor soups and meats. Pkt., 5c; oz., 25c, postpaid.

I won First Prize for the best Rutabagas, Rutabagas for stock, and Kohl Rabi at the North Montana Fair. I purchased all of my seeds from you. I do considerable truck gardening and can always depend on "X-L" brand seeds.—Fred Kirby, Simms, Montana.

SLICED ONIONS AND CUCUMBERS ARE RICH IN VITAMINS

Slice onions and cucumbers thin; let stand in cold water an hour, drain water off and pour vinegar or lemon juice over them 15 minutes before serving. A good healthy dish to eat often.

CRESS

EXTRA CURLED OR PEPPER GRASS—The leaves of this small salad are much frilled or curled, and are used for garnishing. Pkt., 5c; oz., 15c; ½ lb., \$1.00, postpaid.

ENDIVE

One ounce to 100 feet of row.

Pkt., 5c; oz., 15c; ¼ lb., 45c, postpaid.

GREEN CURLED—Beautifully curled, tender and crisp.

WHITE CURLED—Very tender when cut young; blanches readily.

BROAD-LEAVED BATAVIAN (Escarrole)—This variety is chiefly used in soups and stews; requires to be tied up in blanching.

EGG PLANT

One ounce will produce 1,000 to 1,500 plants.

One of the most delicious of all vegetables if properly cooked. They have a rich, meaty flavor and taste just as good as mushrooms. Peel, slice and allow to stand in slightly salty water for three hours. Roll in beaten egg and cracker crumbs then fry slowly until thoroughly done.

BLACK BEAUTY—This is the earliest of the large-type egg plant. Produces five or six "eggs" to the plant. Color a rich purplish black. Pkt., 10c; oz., 50c; ¼ lb., \$1.75, postpaid.

GARLIC

On pound to 50 feet of drill.

The Garlic is the most pungent of all the onion family. Plant in the spring six to eight inches apart, and in August the tops will die when the bulbs are ready to gather; they do best in light rich soil; cultivate same as onions. Lb., 35c; 5 lbs., \$1.60. Write for price on larger quantities.

HERBS

CARAWAY—Grown for seeds which are used in flavoring. Pkt., 5c; oz., 15c, postpaid.

DILL—Leaves and seed heads are used for flavoring pickles. Pkt., 5c; oz., 10c; ¼ lb., 30c, postpaid.

SWEET MARJORAM—Leaves and ends of shoots used for seasoning. Pkt., 5c; oz., 25c, postpaid.

SAGE—The most extensively used herb for seasoning and stuffing. Pkt., 5c; oz., 40c, postpaid.

THYME—A tea made from leaves is a remedy for nervous headache. Pkt., 5c; ½ oz., 40c; oz., 60, postpaid.

SUMMER SAVORY—Leaves and flowers flavors soups and dressing. Pkt., 5c; oz., 25c, postpaid.

KALE or BORECOLE

One ounce to 150 feet of row.

GREEN CURLED—Very hardy and used extensively for greens. A good frost improves the quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00, postpaid.

KOHL-RABI

(Turnip Rooted Cabbage)

One ounce of seed to 200 feet of row.

The Kohl-Rabi belongs to the Cabbage family. It does not make a head, but the stalk forms a turnip-shaped swelling just above the surface of the earth. These balls, when the size of an egg, make a very excellent vegetable. May be cooked either like cauliflower or turnip, resembling cauliflower in flavor. They are in season during June, July and August, or at periods when turnips are not good, and succeed in dry weather when turnips are fibrous and hot. For a continuous supply sow every two weeks up to the middle of July.

EARLY WHITE VIENNA—Is the best variety of Kohl-Rabi; very select, extra-early strain; ready for the table in 60 days from seed. Flesh firm but cooks very tender; sweet and delicious. No garden complete without it. Pkt., 5c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.25, postpaid.

LEEK

One ounce of seed to 100 feet of row.

LONDON OR AMERICAN FLAG—A large variety of mild flavor. Grows tall and thick and of fine white color. Always popular with market gardeners, commanding a ready sale. Pkt., 5c; oz., 20c; ¼ lb., 75c, postpaid.



"X-L" Grand Rapids Leaf Lettuce

LETTUCE

One ounce will sow 125 feet of row or produce about 3,000 plants; 4 lbs. to the acre.

CULTURE—For very early use, the seed may be sown in hot beds, and as soon as the warm weather permits may be sown in the open ground, in rows 18 inches apart and not over one-half inch deep. If planted too deep the seed will not germinate. Sow every two or three weeks in order to produce a succession of fresh lettuce.

HEADING VARIETIES

NEW YORK OR WONDERFUL—Used almost altogether by the commercial growers in the west. A very hard-heading and beautiful sort. Excellent for summer use; inner leaves finely blanched, crisp and brittle, of sweet flavor. The greatest head lettuce yet introduced and the largest variety grown, often producing heads weighing more than 2 pounds each. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.10, postpaid.

ICEBERG—A large crisp, cabbage-heading variety of good quality. THE HEADS ARE FIRM AND WELL BLANCHED. THE OUTER LEAVES ARE CRUMPLED AND BLISTERED, IN COLOR A MEDIUM GREEN WITH A FAINT BROWN TINGE ON THE BORDER. Pkt., 5c; oz., 20c; ¼ lb., 50c; ½ lb., 85c; 1 lb., \$1.60, postpaid.

IMPROVED HANSEN—One of the MOST RELIABLE, SURE-HEADING SORTS. For planting out doors, this is one of the very best sorts, as it withstands heat and drought and is a slow seeder. Pkt., 5c; oz., 20c; ¼ lb., 50c; ½ lb., 85c; 1 lb., \$1.60, postpaid.

LOOSE HEAD OR CUTTING VARIETIES

BLACK SEEDED SIMPSON—Very early and dependable in this section of the country. Plant large, attractive, compact, broad, frilled light green leaves that are a fine crisp texture and splendid quality. Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

GRAND RAPIDS FORCING—The favorite loose leaved forcing lettuce, and fine for early planting outside in this section. The leaves are light green, blistered and crumpled, with heavily fringed borders. Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

PRIZE HEAD—Very early, quick growing, and one of the most popular for home gardens. Plant medium large, strictly loose-leaf; leaves broad, crumpled, and frilled; outside leaves tinged red, inner leaves wholly green; very crisp, sweet and tender. Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

CELERY LETTUCE OR COS—Our Improved Cos or Celery Lettuce is an entirely distinct type of lettuce, and is rapidly gaining favor. The plants are of erect growth, forming a slightly oblong bunch of large, crisp leaves. The outer leaves should be gathered together at the top and loosely tied with a piece of soft string for several days before wanted for use. This blanches the inner leaves to snowy whiteness and brittle crispness. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.75, postpaid.

CHICKEN LETTUCE—Ideal as a green feed for chickens. It is economical to grow this strain, for when cut it resumes its growth rapidly and can be cut again and again. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.10, postpaid.

Vegetables that have been "in transit" and "on display" any length of time, even a few hours, have lost some of their fine quality.

As I have been using quite a quantity of your garden seed with confidence for several years, I do not hesitate to recommend them to everyone who wants the best in garden seed, either in large or small quantities.—Mr. Chas. W. Jones, Market Gardener, Great Falls, Montana.

MUSTARD

One ounce of seed to 75 feet of row.

The greens, for which this quick growing plant is chiefly raised, are fully as healthful and nourishing as spinach. Mustard is related to turnip, and although the tops are much alike in richness of flavor, mustard leaves are more tender, and the stems are not so long and coarse.

Seed may be sown from early spring to midsummer in rows 18 inches apart. Thin to 5 or 6 inches apart in the rows. The plants are in condition for use as soon as the leaves are the size of one's hand. Mustard runs to seed quickly, so that successive plantings are necessary for a continuous supply.

SOUTHERN GIANT CURLED—The leaves are large, light green with a tinge of yellow, and much crimped and frilled at the edges. The plant is upright or slightly spreading in growth. This variety is valued in the south on account of its vigorous growth, hardiness and good quality. Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 85c, postpaid.

MUSHROOMS

PURE CULTURE SPAWN—Requires one brick of spawn for about nine square feet of bed. Free directions for growing mushrooms furnished. 1 brick, 40c; 5 bricks, \$1.75, postpaid.

MUSK MELONS

One ounce will plant about 50 hills.

Two to three pounds per acre in hills.

HALE'S BEST—The earliest variety grown. Of the Rocky Ford type and probably the most widely grown variety. The melons are oval, about six inches long by 4½ inches in diameter with heavy netting. The flesh is exceptionally thick and deep salmon in color. Known as the 60-day melon. Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 80c., 1 lb., \$1.50, postpaid.

EXTRA EARLY HACKENSACK—It is a large size, deep ribbed, round melon, with thick green flesh of delicious flavor. It is the best of the large varieties. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.25, postpaid.

I purchased all of my garden seeds from you and won first prize with my lettuce. I am a booster for "X-L" Brand Seeds.—Rufus Marsh, Fairfield, Montana.

WATERMELONS

One ounce for 30 hills; 4 to 5 lbs. to an acre.

COLE'S EARLY—One of the EARLIEST and BEST. Very hardy, vigorous and a sure cropper. Delicious quality of the bright red flesh is sustained clear to the thin rind. This is one of the best varieties for this section. Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 85c, postpaid.

KLECKLEY SWEETS (Monte Cristo)—One of the best and sweetest watermelons in cultivation. The rind is a very dark green and the flesh is scarlet and ripens nearly to the rind. Fairly large, oblong and tapering toward the stem end. Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 85c; postpaid.

ONIONS

One ounce of seed for 150 feet of row.

Four to six pounds per acre.

CULTURE—Sow as early in the spring as ground can be worked. In drills 15 inches apart covering one inch deep.

Did you ever try an onion sandwich made from a tender mild onion, sliced and seasoned and between two thin slices of buttered bread? If not, you have a treat in store for yourself. Don't be discouraged if you haven't a mild onion. You can make a strong onion mild by slicing and allowing to stand in clear, cold water. Or better yet, grow a few bermudas and they will be mild to begin with. Here is another—during the hot summer days while onions, cucumbers and tomatoes are fresh, slice some of each and allow to stand for a short time in cool salted water. Then cut up and serve in a tomatoe shell garnished with lettuce. If you prefer serving with a salad dressing, use your own favorite kind.

YELLOW VARIETIES

RIVERSIDE SWEET SPANISH—THE LARGEST AND SWEETEST ONION EVER GROWN. Especially prized for its mildness and delicacy of flavor. Nearly globular in form, resembling Prizetaker but considerably larger, the skin is golden yellow in color and the flesh white and very mild. Pkt., 5c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50, postpaid.

PRIZETAKER—One of the largest onions grown and the mildest. Flesh pure white with bright straw yellow thin skin. Very hardy and a fair winter keeper. Pkt., 5c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.50; 1 lb., \$2.00, postpaid.

YELLOW GLOBE DANVERS—This is a standard variety for winter use in all markets. Its skin is a rich orange-yellow color. The flesh is pure white, crisp and mild in flavor. It is a dependably heavy yielder and because of its small neck cures well and makes splendid storage stock. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.75, postpaid.

RED VARIETIES

SOUTHPORT RED GLOBE—This is a fine keeper, large size and considered one of the best red onions. Flesh is fine grained, very mild and tender. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.85, postpaid.

WHITE VARIETIES

SOUTHPORT WHITE GLOBE—This grows to a very large size and is a perfectly globe shaped onion. Color is clear, pure white. This variety is used by the Chicago market gardeners for bunching. Pkt., 5c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.25; 1 lb., \$2.25, postpaid.

WHITE PORTUGAL—American Silver Skin. This is the best sort to sow for onion sets or for pickling. When sown thickly for either it makes a small, round, hard bulb. Our seed is grown near Billings, Montana. Pkt., 5c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.25; 1 lb., \$2.25, postpaid.

EARLY WHITE WELSH (Perennial)—The first variety to be ready for green onions in the Spring. It is a perennial, forms no bulbs, is perfectly hardy, and when once set will remain in the ground year after year. It does not produce top sets, but is propagated from seed or divisions. It is very mild and of excellent quality. Market gardeners find it extremely profitable, as it makes a most attractive bunch and sells at good prices before onions grown from sets are ready for the market. Pkt., 5c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50, postpaid.

ONION SETS

"X-L" MONTANA GROWN—One pound to 75 feet of row. 300 pounds to the acre.

Sets are grown mostly for early green or bunch onions. None above an inch and most of them smaller. This is a great advantage to the planter as he obtains many more sets to the quart.

One bushel equals 32 pounds.

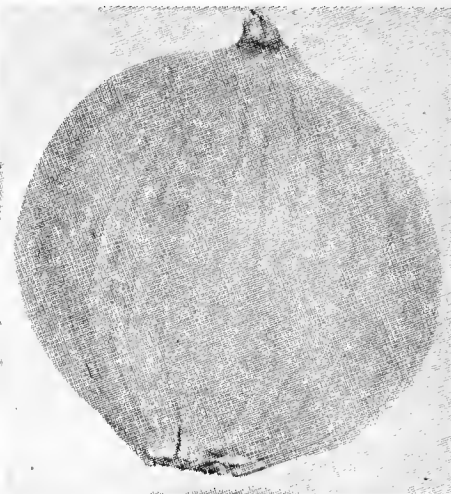
YELLOW—More likely to form larger onions than other varieties. Qt., 20c; 4 qts., 75c, postpaid. Per bushel, 32 pounds, \$3.00. Not prepaid.

WHITE—Milder than red and yellow sets and preferred by some on account of color. Qt., 25c; 4 qts., 85c, postpaid. Per bushel, 32 lbs., \$3.25. Not prepaid.

ONION OMELET

Put butter or drippings into frying pan, add sliced onions, salt and pepper, cook slowly until done. Then add two beaten eggs for each person, stir until set; serve hot.

I have purchased "X-L" Brand Seeds from you for a number of years and have always found them satisfactory. When I need garden seeds, I shall always purchase your dependable "X-L" Brand.—Mrs. Ish, Sun River, Montana.



"X-L" Yellow Danvers Onion

ONION PLANTS

HOW TO GROW BERMUDA ONIONS FROM PLANTS—They will keep for weeks after being pulled if not allowed to become heated or wet. Plant in rows 14 to 16 inches apart and 4 inches apart in the row. If planted in this manner, it will require approximately 100,000 plants to the acre. In planting, sharpen a wooden stick, making a hole about two inches deep, place the plant in as you withdraw the stick and press dirt firmly with stroke from stick. Cultivate very shallow as the onion roots grow near the surface and should not be disturbed. When about 60 per cent of the tops droop or are soft at the neck just above the onion, pull them up, let them lay in the sun for two or three days, which will increase the firmness. Onion plants tied in bunches of 100. You can order as many bunches of 100 plants to the bunch as you please but we cannot break them up in small amounts.

CRYSTAL WHITE WAX PLANTS—100 plants, 25c; 500, 95c; 1,000, \$1.65, postpaid.

Per crate, 6,000 plants, \$7.35. Not prepaid. Weight about 35 lbs.

YELLOW BERMUDA PLANTS—100 plants, 25c; 500 plants, 95c; 1,000 plants, \$1.65, postpaid.

Per crate, 6,000 plants, \$7.35. Not prepaid. Weight, about 35 lbs.

PARSLEY

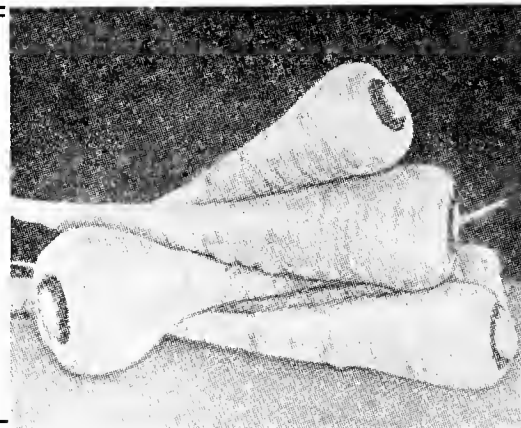
One ounce to 100 feet of row.

CHAMPION MOSS CURLED—An excellent variety; the leaves are finely curled and of a dark green color; extra fine for garnishing and culinary purposes. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; 1 lb., 95c, postpaid.

HAMBURG TURNIP-ROOTED—The root is the edible portion of this variety and resembles a small parsnip in both color and shape. Extensively grown and used for flavoring soups. Pkts., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; 1 lb., 95c, postpaid.

PARSNIPS

One ounce will sow 200 feet of drill. Five to six pounds per acre.



"X-L" Hollow Crown Parsnips

LONG SMOOTH or HOLLOW CROWN—A great cropper, tender, sugary and considered one of the best for general cultivation. Roots average 15 inches long by 3 inches in diameter. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 60c; 1 lb., 90c, postpaid.

IMPROVED GUERNSEY—This is the thicker, heavier type of Parsnip. Fine grained and sweet flesh. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 60c; 1 lb., 90c, postpaid.

PEAS

"X-L" Montana Grown

One pound for 50 ft. of row or 100 ft. of drill.
80 to 100 pounds to the acre.

ALASKA—This variety is extremely early. The round pods, 2½ inches long, contain 5 to 8 peas which are ready for use in about 55 days. The peas are small, round, and tender. The vines are 2½ to 3 feet tall, and when possible they should be given support. Seeds are small, round and bluish-green.

IMPROVED GRADUS OR WORLD'S RECORD—Earliness and high quality are combined in this wrinkled pea of medium height. The vines are 3 to 3½ feet tall and bear pods 4 inches long, filled with 6 to 9 large peas. They are ready for use in 55 to 62 days and are undoubtedly as sweet and tender as any variety in cultivation. Seeds are large and wrinkled.

AMERICAN WONDER OR NOTT'S EXCELSIOR—The earliest of the dwarf wrinkled varieties, of standard quality. The vines are about a foot high, and produce heavy crops of medium size, well filled pods containing 5 to 8 large peas.

Peas stewed with veal are delicious. Boil two pounds of fresh veal for two hours, then add three pints of fresh green peas and a few new potatoes, boil twenty minutes longer, season with salt and pepper and thicken with flour rubbed smooth in butter.

1933 PRICES ON GARDEN PEAS

		Postpaid Prices			Not Postpaid
	Pkt.	¼ lb.	½ lb.	1 lb.	5 lbs.
Alaska .....	.05	.15	.22	.35	\$1.05
Improved Gradus .....	.05	.15	.23	.37	1.10
American Wonder .....	.05	.15	.22	.35	1.05
Little Marvel .....	.05	.15	.23	.37	1.10
Laxtonian .....	.05	.15	.27	.40	1.25
Little Gem .....	.05	.15	.22	.35	1.05
X-L Everbearing .....	.10	.75	1.25	2.00	
Dwarf Telephone .....	.05	.15	.21	.37	1.10
Tall Telephone .....	.05	.15	.21	.37	1.10
Melting Sugar .....	.05	.15	.25	.40	1.35

LITTLE MARVEL—One of the earliest of the wrinkled seeded sorts and probably the most satisfactory pea for the average home garden. Remains in prime picking condition a week longer than most sorts. The vines are 15 inches high, heavy, with dark green pods usually set in pairs. The pods are filled with from 7 to 8 very dark green peas of high quality.

LAXTONIAN—A little earlier than other dwarf large-podded peas, this variety is generally considered the best of its class. The blue-green pods are often more than 4 inches long and contain 8 dark green peas of finest quality. It is especially recommended for home garden use. The seeds are large, wrinkled; green and cream in color.

LITTLE GEM (Premium Gem)—An early dwarf pea of delicious flavor, excellent for family use. The vines are about 18 inches in height and produce an abundance of pods from 2½ to 3 inches in height and are borne at the top of the stalk and are easily gathered. They are delicious and are sweeter than others of the dwarf varieties.

"X-L" EVER BEARING GARDEN PEAS—Montana Grown (See Specialty Page 1).

MAIN CROP VARIETIES

DWARF TELEPHONE OR DAISY—The vine grows about 2 feet tall. Pods are about 4 inches long, broad, straight and well filled. A large and long producer of eatable peas.

TALL TELEPHONE—Height, 3½ to 4 feet. They are heavily loaded with very large, well-formed pods. Often 5 to 5½ inches long. The longest producing variety of green peas.

EDIBLE PODDED VARIETY—Used in the same manner as wax beans.

MELTING SUGAR—Large, broad pods which are so brittle that they snap without any string. Pods when cooked are very tender, sweet and sugary.

Green Peas—And Lots of Them, From Early Summer Until Fall

We will furnish you with ¼ pound each of Alaska, American Wonder, Little Gem and Dwarf Telephone.

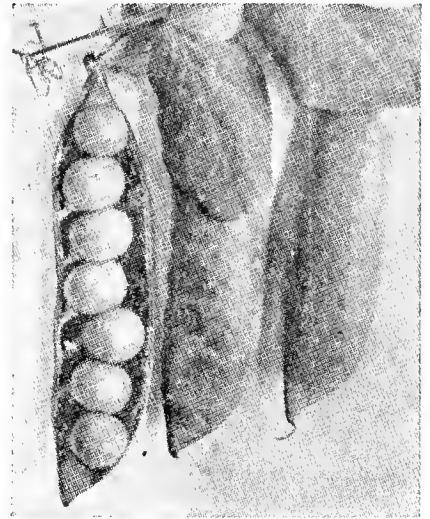
The above four varieties are guaranteed to produce green peas throughout the entire season. ¼ lb. each of the above 4 varieties, postpaid, 40c.

INOCULATE YOUR PEAS

Inoculation of seed hastens maturity, increases the yield and enriches the soil. Inoculation for peas only: ½ bu. size, 40c; 1 bu., 60c; 5 bu., \$2.50.

Inoculation good for beans only at these same prices.

Garden size sufficient for 8 lbs. of seed and good for beans, peas and sweet peas, 25c, postpaid.



"X-L" Laxtonian Peas

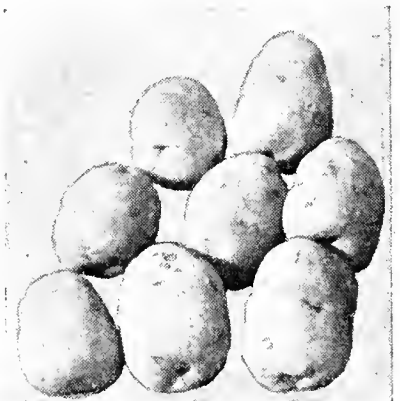
I won first prize for the best peas exhibited at the North Montana Fair and am pleased to state that I purchased all of my stock from you.—Harold Roberts, Simms, Montana.

MONTANA GROWN POTATO SEED

We wish to call particular attention to the New Colorado Red McClure Potato, description of which is found on our Specialty page No. (?). We urge each of our customers to try at least a few pounds of this New Wonder potato as we believe it is destined to become one of the leading potatoes of Montana.

As usual, we shall be in position to furnish you with hand-graded, select stock of Early Ohio, Bliss Triumph, Irish Cobbler, Netted Gem and Green Mountain seed potatoes. Opening prices on seed potatoes will be found on the field seed price list page (?). If prices decline, we shall fill your order for the full amount of remittance received.

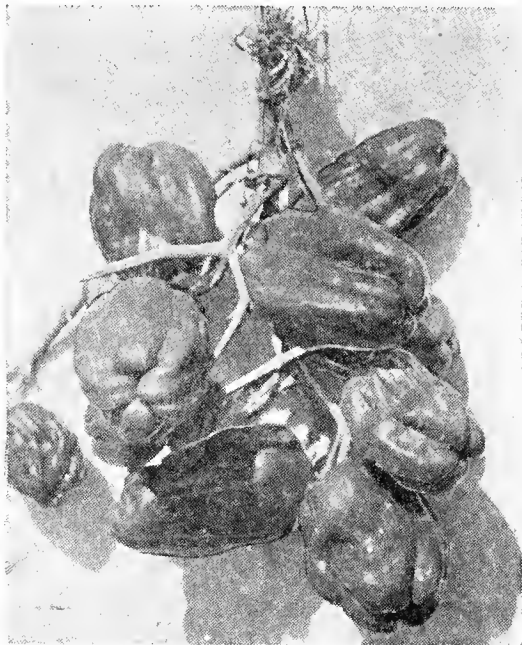
"X-L" Green Mountain Potatoes, raised by C. T. Driessen. Plant a few sacks of heavy yielding seed like these and forget the grocery bill next year.



THIS IS TO CERTIFY

That I purchased the seed for my Prize Winning Green Mountain Potatoes from your store and I have also purchased all my "X-L" seeds from you.

Mr. R. A. Culbertson,
Box 344,
Fort Benton, Montana



Bull Nose Pepper, raised by Mrs. J. J. Arndt,
3612 Seventh avenue north, Great Falls, Mont.

PEPPERS

One ounce will produce about 1,000 plants.

CULTURE—Sow the seed (which is slow to germinate) in hotbed or boxes in the house. When large enough transplant into other boxes and pots, and when all danger of frost is past, transplant in the open ground in rows 2½ feet apart, setting the plants about 18 inches apart in the row.

RUBY KING—Is an old standby, well liked and widely grown. It is a medium sized pepper, sweet and tender and medium early. Pkt., 10c; ½ oz., 35c; 1 oz., 50c; postpaid.

LARGE BELL OR BULL NOSE—This earliest pepper of the "Bell" type is a combination of both Hot and Sweet; the ribs are quite pungent while the rest of the fruit is mild. The medium sized square fruits are deep green when immature and scarlet when ripe. Pkt., 10c; ½ oz., 35c; 1 oz., 50c, postpaid.

MAMMOTH LONG RED CAYENNE—A long, slim, pointed pod and when ripe, a bright red color, extremely strong and pungent. Size three-quarters to one inch in diameter, five to six inches long. Pkt., 10c; ½ oz., 40c; 1 oz., 65c, postpaid.

CALIFORNIA WONDER—Thickness of flesh alone, which is often three-eighths of an inch, places this sweet pepper above all others. It is crisp and juicy, too, without a trace of pungency. Vigorous growing plants bear a heavy yield of blocky fruits that become as much as 5 inches long and 4 inches wide. They are unusually good for serving whole. Pkt., 10c; 3 pkts., 25c; ½ oz., 50c; 1 oz., 80c, postpaid.

FRESH VEGETABLE SALAD RICH IN VITAMINS

Run carrots, cabbage, radishes, onions and sweet peppers through food chopper, add salt and salad dressing and you'll have a most delicious and healthful salad.

PUMPKIN

One ounce for 25 hills; 3 pounds to the acre.

EARLY SMALL SUGAR OR PIE—This is the earliest of the common sorts and by far the sweetest. A small round pumpkin, dark orange in color. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 85c, postpaid.

LARGE CHEESE OR KENTUCKY FIELD—One of best for table use and very productive, shaped flat, flesh yellow, thick and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c, postpaid.

KING or MAMMOTH—The giant among pumpkins, weighing as high as 150 lbs. A bright golden yellow, fine grain and excellent for cooking. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.30 postpaid.

RHUBARB or PIEPLANT

One ounce to 100 feet of row.

VICTORIA OR MAMMOTH—The most productive variety known. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.30, postpaid.

RHUBARB ROOTS

30 to 100 feet of row.

Our first quality, two-year roots will produce a crop of edible stalks the first year if planted in good season and given a minimum of care. Each 25c; per dozen, \$1.85, postpaid.

RADISHES

One oz. to 100 ft. of drill; 8 to 10 lbs. per acre.

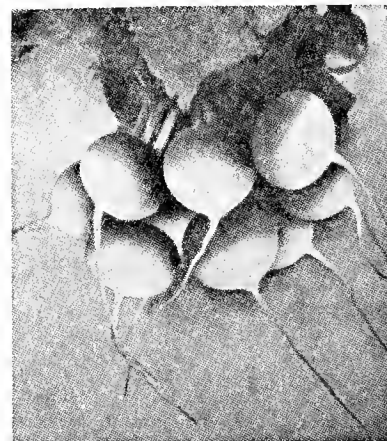
ALL SEASON MIXTURE—A mixture that includes just about everything, both early and late, little round ones, long ones, half-long and all radish colors. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 85c, postpaid.

SAXA—The earliest radish grown. For growing in the open ground it has no superior. It is round, bright scarlet in color and has a very small top and tap root. Pkt., 5s; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

SPARKLER (The Leader for Market)—The color is a rich scarlet with well defined tip of purest white. The flesh is solid and crisp and remains fit for use a long time. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c, postpaid.

EARLY SCARLET GLOBE SELECT (The market gardener's variety)—One of the earliest forcing radishes and does equally well outside. The bright scarlet roots are fair size, globe shaped and with very small top. Excellent for bunching. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25, postpaid.

I am happy to inform you that I purchased my seed from your seed house and am highly pleased with the crop I raised. I won first prize for the best Mangelwurzel exhibited at the North Montana Fair. —Mr. V. F. Squires, R. F. D. No. 1, Great Falls, Montana.



"X-L" Forcing Radish "Saxa"

CRIMSON GIANT—A variety, extraordinary in that while growing to an unusually large size, it is always tender, crisp and of mild flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c, postpaid.

FRENCH BREAKFAST—A half-long, very crisp and quick-growing radish. In color it is a bright rose-scarlet with blunt white tip. It is very early, a great favorite on the market and unexcelled for home garden. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c, postpaid.

CINCINNATI MARKET—The roots of this variety are smooth, slender, about 6 inches long and a bright carmine red in color. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c, postpaid.

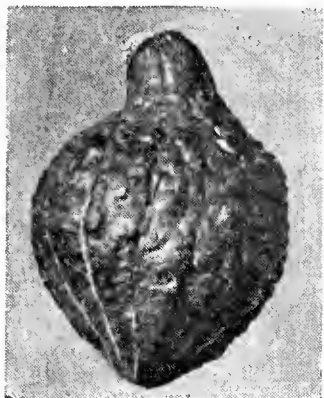
"X-L" WHITE ICICLE—An extra early, long, white radish. Long and slender, pure white roots, mild and crisp, and grow to a large size. One of the best varieties for the home garden. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c, postpaid.

WHITE STRASBURG—One of the best large, white, late summer sorts for home garden and market. Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c, postpaid.

WINTER VARIETIES

BLACK SPANISH—One of the latest as well as the hardest of radishes. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.10, postpaid.

CHINA ROSE—One of the very best winter radishes. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.10 postpaid.



"X-L" Green Hubbard
Squash, grown by C. T.
Driessen, Great Falls, Mont.

Last year we got some of the finest Hubbard Squash seed from you we ever had. I think there were ten or eleven hills and there were 69 nice green Hubbard Squash on same.—Mrs. A. W. Fleming, Sun River, Montana.

SQUASH

One ounce to 25 hills; 3 to 4 lbs. per acre.

CULTURE—Plant in hills 4 to 5 feet apart, for bush varieties, and for the running varieties, 7 to 8 feet apart. Put 6 to 10 seeds in a hill, finally thinning out to 3 or 4 plants.

SUMMER SQUASH

MAMMOTH WHITE BUSH—A very early Summer squash. It is flattened and scalloped, comparatively smooth on the surface and creamy white in color. The flesh is thick and very fine in quality. Pkt., 5c; oz., 15c; ¼lb, 35c; ½lb, 60c; 1lb, \$1.15, postpaid.

GIANT SUMMER CROOKNECK—A new variety early as common Crookneck and much larger, frequently two feet long. It is heavily warted, of bright golden color, brittle and tender. Pkt., 5c; oz., 15c; ¼lb, 35c; ½lb, 60c; 1lb, \$1.15, postpaid.

WINTER VARIETIES

MARBLEHEAD—An excellent winter Squash with a superior flavor. A producer of large fruit often weighing 12 to 15 pounds. The skin is gray-blue and not so hard as that of the Hubbards while the flesh is fine grained, deep yellow, dry, and sweet of prime quality. It keeps very well into the Winter. Pkt., 5c; oz., 25c; ¼lb, 60c; ½lb, \$1.00; 1lb, \$1.75, postpaid.

TABLE QUEEN (or Des Moines)—One of the finest little baking squashes grown. Also one of the earliest. However, it is not a baking squash alone. It will make splendid pumpkin pies. It is about the size of a quart cup, shaped like an acorn and will keep well for Winter use. Pkt., 5c; oz., 15c; ¼lb, 45c; ½lb, 75c; 1lb, \$1.40, postpaid.

GREEN HUBBARD—A favorite winter squash. Shell dark green and extremely hard. Flesh rich orange; dry and sweet. Splendid for cooking pies. Pkt., 5c; oz., 15c; ¼lb, 40c; ½lb, 65c; 1lb, \$1.15, postpaid.

GOLDEN HUBBARD—Of the shape and general character of the Hubbard, but a little smaller. Of rich orange color instead of the olive green. Pkt., 5c; oz., 15c; ¼lb, 40c; ½lb, 65c; 1lb, \$1.15, postpaid.

I purchased some Yellow Pear Tomato seed from your store and won First Prize in 1931 and 1932 Fair. "X-L" Brand seeds are Prize Winners.—Mrs. John L. McKay, Route No. 1, Great Falls, Montana.

SPINACH

One ounce will sow about 100 feet of drill.
10 lbs. per acre.

CULTURE—Sow in early Spring in drills 12 to 15 inches apart, covering not more than one inch deep. Sow two weeks apart for succession.

KING OF DENMARK—This variety is slower to run to seed than any other sort. The plants are early, vigorous, and productive, bushy in habit. The rounded leaves are crumpled, blistered and a deep green in color. This is a sort the Northwest has been looking for. Pkt., 5c; oz., 10c; ¼lb, 20c; ½lb, 30c; 1lb, 50c, postpaid.

LONG STANDING or THICK LEAVED—A fine market sort. Leaves large and somewhat crumpled. Does not run to seed early. Pkt., 5c; oz., 10c; ¼lb, 25c; ½lb, 40c; 1lb, 75c, postpaid.

BLOOMSDALE—The earliest variety and one of the best to plant in Autumn for early Spring use. Leaves are curled like those of Savoy Cabbage. Pkt., 5c; oz., 10c; ¼lb, 25c; ½lb, 40c; 1lb, 75c, postpaid.

NEW ZEALAND—This is the variety that stands hot weather. As the leaves are picked off new shoots appear and yields a continuous supply of greens throughout the summer. Pkt., 5c; oz., 10c; ¼lb, 25c; ½lb, 40c; 1lb, 75c, postpaid.

SQUASH FRITTERS

Almost Melt in Your Mouth

Take one Hubbard Squash, remove the seeds, peel and grind fine through food chopper. Add one egg to one small squash, salt and pepper to taste. Add one-half cup milk, one-half teaspoon baking powder and flour enough to thicken. Drop by spoonful into hot fat. Fry like pancakes and serve hot.

SALSIFY or OYSTER PLANT

One ounce will sow about 50 feet of drill.

CULTURE—Sow the seed early in the Spring in drills 12 inches apart and one inch deep, thinning out the young plants to 6 inches. The roots will be ready in October when a supply should be taken up and stored like carrots. Those remaining will suffer no injury by being left in the ground until Spring. These are long, smooth white roots and when cooked, have a flavor very much like oysters.

MAMMOTH SANDWICH ISLAND—When cooked it has an oyster flavor and is used stewed, boiled or fried. Pkt., 5c; oz., 20c; ¼lb, 70c; ½lb, \$1.25; 1lb, \$2.25, postpaid.



Red Head Tomatoes produce heavily for Mrs. J. J. Arndt,
3612 Seventh avenue north, Great Falls.

TOMATOES

One ounce will produce about 2,000 plants.

See Page 21 for Tomato Plants

CULTURE—Sow early in hotbeds or shallow boxes in the house, and as soon as they have four leaves transplant. Harden off and set out as soon as danger of frost is past.

JOHN BAER—A remarkable new variety of early red type. Yields a tremendous crop of large uniform and of attractive fruits. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼lb, \$1.50, postpaid.

EARLIANA (Selected Early Strain)—It is very productive for an early sort. The fruit is fair size, round, very smooth and solid and produced in clusters in the center of the plant. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼lb, \$1.50, postpaid.

BONNY BEST—Unexcelled as a general purpose tomato; particularly valuable for forcing under glass and as a canning variety in northern sections. Fruits evenly colored bright deep scarlet-red; medium large; flattened globe shaped; smooth and firm. Pkt., 5c; ½ oz., 25c; 1 oz., 40c; ¼lb, \$1.50, postpaid.

RED HEAD—This new variety is one of the best yet introduced. Very productive, the fruits are nearly globe shaped and very solid. Pkt., 5c; ½ oz., 30c; 1 oz., 50c; ¼lb, \$1.50, postpaid.

CHALK'S EARLY JEWEL—Very thrifty, heavily productive. Fruits scarlet-red; large; flattened globe-shaped; smooth and firm. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼lb, \$1.50, postpaid.

NEW STONE—Heavily productive. Fruits uniform bright deep scarlet; large and flat, but deep; smooth and solid. Pkt., 5c; ½ oz., 25c; 1 oz., 40c; ¼lb, \$1.50, postpaid.

GOLDEN QUEEN—The best of all yellow tomatoes. Fine for slicing. Ripens early and is solid, always smooth, large in size and delicious in flavor. Pkt., 5c; ½ oz., 30c; oz., 50c, postpaid.

GROUND CHERRY or YELLOW HUSK TOMATO—For sauce or pies, they are excellent. They are delicious as preserves and when dried in sugar are as good as raisins for cakes and puddings. The fruit is of handsome yellow color and will keep nearly all winter if stored in a cool place. Pkt., 5c; ½ oz., 30c; 1 oz., 50c, postpaid.

TURNIPS

One ounce will sow 150 feet of drill.
Two pounds to the acre.

EXTRA EARLY WHITE MILAN—The earliest of all turnips. The creamy white roots are medium size, flat and uniform. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; 1 lb., 80c, postpaid.

EXTRA EARLY PURPLE TOP MILAN—Nearly as early as White Milan. The roots are medium size, white with purple top. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; 1 lb., 80c, postpaid.

PURPLE TOP STRAP LEAVED—The standard early variety. Roots broad and flat, of medium size, white with purple top. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; 1 lb., 60c, postpaid.

PURPLE TOP WHITE GLOBE—The most popular white turnip for Fall and Winter use. Flesh pure white, fine grained and of fine flavor. A heavy yielder and and splendid keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; 1 lb., 60c, postpaid.

EARLY SNOWBALL—It is one of the best keeping of the white fleshed sorts. Perfectly globe shaped and exceedingly productive. We recommend it because of its earliness and fine appearance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; 1 lb., 80c, postpaid.

We won First Prize for the best Turnips. These were raised from "X-L" Brand Seed. I am a booster for your company and can recommend your seed to everyone.—Mrs. John Green, Simms, Montana.

RUTABAGAS or SWEDES

One ounce for 200 feet of row; $1\frac{1}{2}$ lbs. per acre if drilled, and $2\frac{1}{2}$ lbs. if broadcasted.

"X-L" IMPROVED PURPLE TOP YELLOW—We consider this one of the best rutabagas for both table use and stock feeding, owing to the selected small top and short neck, globe shape, and large size. It is of finest quality and keeps well. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; 1 lb., 65c, postpaid. Not prepaid, 5 lb., \$2.25.



HOTKAPS

For Earlier Crops

Germaco Hotcaps guard plants against frost, wind, rain, insects, etc., by completely covering them.

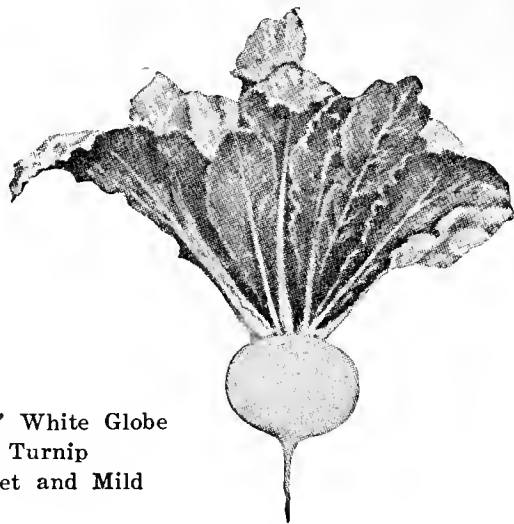
They maintain a perfect mulch around each plant. Crops give a 10 to 25% greater yield and mature 2 to 3 weeks earlier—for higher prices.

Weights: 1,000 pkg.....28 lbs.
250 pkg.....9 lbs.
100 pkg.....5 lbs.
Garden Setter.....3 lbs.

Hotcaps are patented wax paper cones—placed over plants or seeds at time of planting. Inexpensive, easy to use. One man can set over 2,500 per day.

Add Postage.
Prices per Thousand.....\$9.75
Prices per 5,000.....9.60 per 1,000
250 Trial pkg., including Setter and Tamper.....3.50
Home size, containing 100 including Setter and Tamper, \$2.25. Garden Setter, 50c.

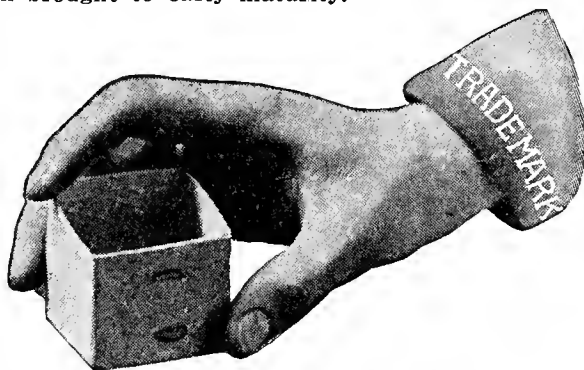
Last year I purchased all of my garden seeds from you and will state that I raised the best quality turnips, also the most quantity of turnips I ever planted and some of the best corn. I also want to state that I have never had any better luck than with your "X-L" Brand Seeds.—Roy Moore, Simms, Montana.



"X-L" White Globe
Turnip
Sweet and Mild

Plant Bands and Paper Pots

PLANT BANDS—The simplest way to handle plants for transplanting is to grow them in our Ready-to-Use Plant Bands, because they are ready to use and no time is lost in setting them up. You will find these bands very economical; they make an ideal worm guard. Take advantage of high prices which plants and vegetables bring when brought to early maturity.



Prices (all bands packed 250 to carton):

No.	Size	Depth	Prepaid	Prepaid	Per
			Per 100	Pkg. 250	
2B	2x2 in.	$2\frac{1}{2}$ in.	\$0.75	\$1.50	\$4.30
3B	3x3 in.	3 in.	.90	2.00	6.10

Bands With Folding Bottoms

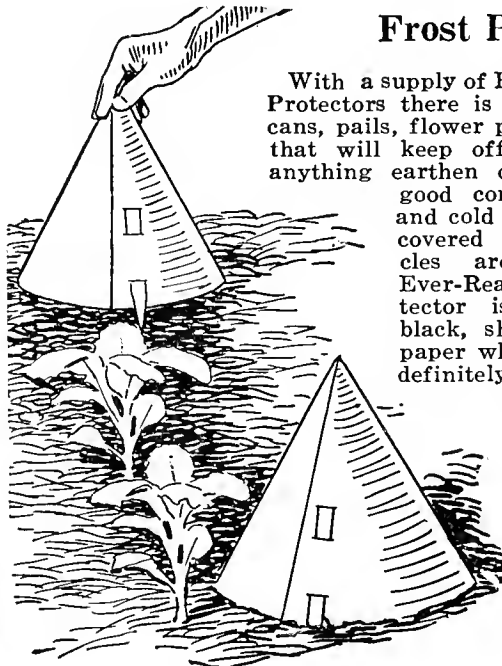
Can be used as an extra deep band by leaving bottom unfolded. By pushing the flaps in you have a square-pot with bottom.

No.	Size	Depth	Prepaid	Prepaid	Per
			Per 100	Pkg. 250	
2P	2x2 in.	$2\frac{1}{2}$ in.	\$0.85	\$1.75	\$4.80
3P	3x3 in.	3 in.	1.15	2.25	7.50

Frost Protectors

With a supply of Ever-Ready Frost Protectors there is no hunt for tin cans, pails, flower pots, or anything that will keep off the frost and anything earthen or metallic is a good conductor of heat and cold and often plants covered with such articles are frozen. Our Ever-Ready Frost Protector is made from black, shiny, waterproof paper which will last indefinitely. Price including stakes, 3c each, 30c per dozen, 25 for 55c, 50 for \$1.00.

Postpaid.



"X-L" Annual and Perennial Flower Seeds

KEY TO SYMBOLS:

- (A) Annuals—Attain full growth from seed, flower and die first year.
- (B) Biennials—They grow from seed the first year, bloom and die the next.
- (P) Perennials—Continuous bloomers the second year after sowing.
- (R) Rock Garden Plants.

SURPRISE GARDEN MIXTURE

This collection should be in every garden, no matter how large or small. A blend of hardy annuals, suitable for vacant lots and odd corners, giving a continual display from early summer until late fall. Yearly our friends find something new and fascinating in this mixture which they include separately in their order the following year. Oz., 25c; ¼ lb., 75c, postpaid.

AGERATUM (A)

One of the best summer blooming plants grown from seed. Very rapid grower, early and constant bloomer.

MEXICANUM (18 in.)—Beautiful soft lavender blue. Pkt., 10c.

ANCHUSA (A)

Called the summer Forget-Me-Not. (2 ft.) Similar in all respects to the Forget-Me-Not though the blossoms are much larger and a finer color.

BLUEBIRD—The flowers are a vivid Indigo blue, a complete contrast to other varieties in this family. Pkt., 10c.

ALYSSUM

SWEET (A) (10 in.)—Flowers white and honey scented. Blooms early in the season and continues until frost. Pkt., 10c.

LITTLE GEM (A) (4 in.)—Plants grow so dense and are completely covered with snow white blossoms. They create the impression of a beautiful snow white carpet. Pkt., 10c.

SAXATILE (Campaetum) (R) (P) (9 in.)—Color, golden yellow, ideal rock garden plant. Pkt., 10c.

ARABIS (P) (R) (6 in.)

The spreading tendencies makes this one of the most popular perennial rock garden plants. A mass of white each spring. Pkt., 10c.

ARMERIA (P) (R) (9 in.)

A direct contrast to Arabis and should be planted in each rock garden. Color, a deep red in early summer. Pkt., 10c.

AMARANTHUS (A) (2½ ft.)

(Tricolor—Joseph's Coat)

The inner foliage is black and bronze, tipped with green, and the outer foliage is bright red and yellow. This plant is very attractive. Pkt., 10c.

ANTIRRHINUM

(Snapdragon) (A) (24 to 36 in.)

A very desirable flower for general garden culture. They are useful for cutting and keep fresh a long time. Rose, Pink, Bright Yellow, Brilliant Crimson. Pkt., 10c. Special Mixed, all colors, Pkt., 10c.

AGROSTEMMA CORONARIA

(Rose Campion) (P) (1 to 2 ft.)

Blooms the first season from seed, producing pretty pink blossoms on long slender stems. Fine for both mass planting bouquets. Mixed. Pkt., 10c.

Trailing Plants for Baskets, Boxes, Rockwork etc.

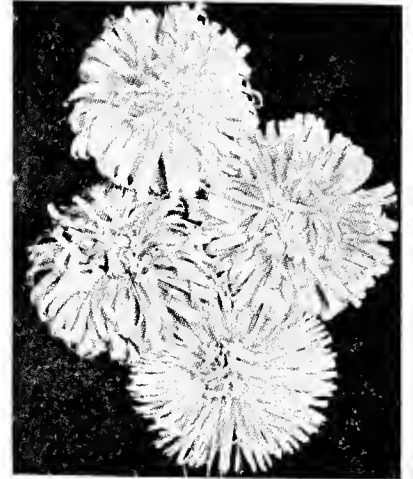
Following is a list of Annual Trailing Plants suitable for baskets, boxes, pots, etc. also for rockwork and for covering spaces on the ground.

Portulaca Verbena
Lobelia

ASTERS

QUEEN OF THE MARKET (11 to 16 in.)—The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Finest mixed, all shades. Pkt., 10c.

"X-L" Crego Asters.
More people should
raise these colorful
flowers.



CREGO OR COMET GIANT—The flowers are of an immense size and borne on stems twelve inches or more in length. The petals are curled and twisted resembling chrysanthemums. All colors mixed, pkt., 10c.

CALIFORNIA GIANT—This type of asters is of the largest and most beautiful variety, often measuring four to five inches across the top of the flower. You cannot appreciate the beauty of them until you have grown them. Pkt., 10c.

THE SUNSHINE—The most disease resisting type in the entire list. The plants are bushy and strong with many flower stalks. All colors mixed, also, pink, lavender, violet and white. Pkt., 10c.

AMERICAN BRANCHING—Beautiful aster for cut flowers. Flowers very large, very double, borne on long stiff stems and the colors clear and handsome. All mixed. Pkt., 10c.

BALSAM

(Lady Slipper) (A) (1½ to 2 ft.)

The flowers are of brilliant colors and are produced in great profusion. Double Mixed. Pkt., 10c.

BACHELOR'S BUTTON

(Centaurea Cyanus) (A) (2 ft.)

Excellent for cutting and are well known. It reseeds itself so that it is practically perennial in habit. Pkt., 10c.

BRACHYCOME

(Swan River Daisy) (A) (12 in.)

A delicate dwarf growing plant suitable for growing in masses, edging and rustic baskets. Flowers are of various shades of blue, lilac, and white with dark and white centers. Pkt., 10c.

BLUE LACE FLOWER

(See Didiscus)

BELLIS PERENIS

(English Daisy) (B) (6 to 8 in.)

The daisy-like double flowers are popular because of their bright color and long blooming period. Mixed colors. Pkt., 10c.

BUTTERFLY FLOWER

(Schizanthus)

Dainty blossoms in brilliant blue, crimson, purple and gold. As the flowers obscure the foliage, the effect is a mass of color. It is used extensively for bordering beds of tall flowers, for cutting and for house plants.

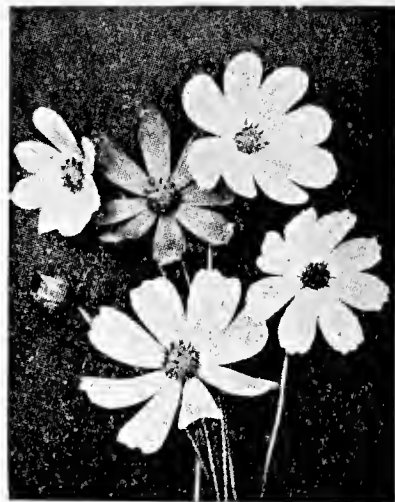
Plants Suitable for Baskets and Boxes

Ageratum	Mignonette
Alyssum	Nasturtiums
Candytuft	Pansy
Coleus	Petunia
Forget-Me-Not	Phlox, (Annual)
Heliotrope	Schizanthus
Verbena	



Last year I won First Place for Mixed Garden Flowers in Basket, African Marigolds and Best Group Asters. You might be interested in knowing that these prize winning flowers were raised from "X-L" Brand seeds purchased at your store.—Mrs. Mack Camblin, Great Falls, Montana.

"X-L" Calendula.
One of the best bedding plants.



"X-L" Early Cosmos.
A strain developed for our short season.

CALENDULA OFFICINALIS

(Pot Marigold) (A)

One of the best and showiest free flowering hardy annuals. Producing a fine effect in beds or mixed borders. Continuing in full bloom from early summer until killed by frost.

ORANGE KING (18 in.) Double flowers of glowing orange. Double mixed, orange, yellow and primrose. Pkt., 10c.

RADIO (18 in.)—An English Introduction. The petals are beautifully quilled and the flowers are medium size and clear orange in color. Pkt., 10c.

CALIFORNIA POPPY

(Eschscholtzia) (A) (12 in.)

The state flower of California and one of the most attractive annuals for bed edging or masses. Crimson, pkt., 10c. Ballet Girl (Carmine and Creamy White), pkt., 10c.

CALLIOPSIS

(Tickseed) (A)

One of the garden's great forces in yellow, strengthened with rich maroons and browns. All are fine for cutting.

RADIATA (6 to 8 in.)—Flowers large reddish brown, turning golden yellow. Pkt., 10c.

GOLDEN RAY (6 to 8 in.)—Flowers golden yellow with dark, purplish brown center. Pkt., 10c.

MARMORATA (40 in.)—Flowers yellow and reddish brown. Pkt., 10c.

DRUMMONDI, GOLDEN WAVE (2 ft.)—Flowers yellow with a circle of rich crimson-brown around the eye. Pkt., 10c.

CANDYTUFT (A) (12 in.)

A popular annual of easy culture. The plants are about a foot high and very bushy. The flowers are of various colors and equally adapted for borders, masses and cut flowers. Many colors, mixed. Pkt., 10c. Also, Carmine, Crimson, Lilac and Rose Cardinal, Pkt., 10c.

CARNATION (A) (B)

Our seed will produce a fine variety of colors, with flowers of good size and substance. They will survive an ordinary winter and bloom again in the spring. Mixed. Pkt., 20c.

MARGUERITE—This variety will give about 90% of plants with double flowers. Mixed, all colors. Pkt., 10c.

CASTOR BEAN (A) (6 ft.)

The stalks of the plants are brownish red, and the leaves are very large, palmate and strikingly elegant. Pkt., 10c.

COCKSCOMB

(CELOSIA) (A) (8 in.)

Highly ornamental plants, producing crested heads of flowers somewhat resembling a cock's comb. Flowers look like graceful plums of brilliant colors. Pkt., 10c. Dwarf Mixed, Pkt., 10c.

CARDINAL CLIMBER (A)

This is a great favorite amongst climbers and attains a height of 15 feet. The bright scarlet flowers are not large, but grow in such profusion as to completely cover the vines. Pkt., 10c.

CHINESE LANTERN PLANT

(Physalis Franchetti) (P) (1½ ft.)

Flowers are yellow with a dark center. Produces balloon-like husks which turn bright red when ripe, resembling miniature Chinese lanterns. Are useful in winter bouquets. Pkt., 10c.

COSMOS (A) (4 to 6 ft.)

One of the most attractive plants for the garden, blooming in early summer and continuing until frost. Very easily grown. Mixed, all colors. Pkt., 10c. White, pink, crimson, pkt., 10c.

DOUBLE CRESTED—These differ from the other cosmos in the formation of the center of the flower. Mixed, all colors. Pkt., 15c.

KLONDYKE—A gorgeous orange-yellow flower with very handsome foliage. In this climate the seed should be sown early in pots. Pkt., 15c.

CENTAUREA

(Centaurea Candidissima or Dusty Miller) (10 in.) (A)

Ideal for bedding. The leaves are silvery white, making a fine foliage plant. Mixed, pkt., 10c.

COLEUS

The most popular of all foliage plants. Mixed colors. Pkt., 10c.

COREOPSIS (P) (2 ft.)

Large orange-yellow flowers on long graceful stems. About the best yellow cut flower blooming incessantly. Pkt., 10c.

CHRYSANTHEMUMS (A)

A beautiful double variety of easy culture. Double mixed (2 to 3 ft.), pkt., 10c. Single mixed (20 in.), pkt., 10c.

COLUMBINE

(Aquilegia Coerulea) (P) (2 ft.)

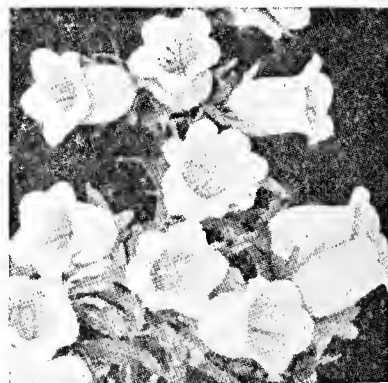
One of the most important of our early hardy flowers being easy to establish and thriving in almost any situation.

ROCKY MOUNTAIN (1 to 2 ft.)—Petals deep blue and white. Pkt., 10c.

MRS. SCOTT ELLIOTT'S HYBRIDS—A wonderful Hybrid mixture containing every conceivable shade. Pkt., 10c.

"X-L" Canterbury
Bells.

An interesting flower
that does well in
Montana.



CAMPANULA

(Canterbury Bells) (B) (2 ft.)

A large, beautiful and most important family for the flower garden. All colors mixed. Pkt., 10c.

DIDISCUS

(Blue Lace Flower) (A) (3 ft.)

A flower finely adapted for bouquets by reason of its shape, size and delicate colors, which are light blue or lavender. Pkt., 10c.



"X-L" Blackmore and
Langdon Delphinium.
A wonderful back-
ground flower.

DELPHINIUM

(Perennial Larkspur) (2 to 3 ft.)

A popular, hardy perennial. The long, graceful spikes of delicate shades are highly prized. Splendid for planting in groups in hardy borders and also in front of shrubbery. Pkt., 10c.

DIMORPHOTHECA

(Aurantiaca or Golden Star of the Veldt) (A) (1 ft.)

Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring. Pkt., 10c.

DIGITALIS

(Foxglove) (P) (3 to 5 ft.)

A stately ornamental plant especially adapted for perennial borders and for planting among shrubbery. Double mixed. Pkt., 10c.

DOUBLE DAISY

(See Bellis)

DUSTY MILLER

(See Centaurea)

DAHLIA (A) (3 ft.)

These well known flowers are commonly grown from the tubers, but may also be grown from seed. Double mixed. Pkt., 10c.

DIANTHUS

(Annual Garden Pink) (A) (1 ft.)

The flowers are distinguished for their brilliant contrasting variety of color. Mixed colors. Pkt., 10c.

PLUMARIUS (P) (6 in.)—The perennial variety of garden pinks. Fine for rock gardens and perennial borders. Pkt., 10c.

ESCHSCHOLTZIA

(See California Poppy)

EUPHORBIA

(Variegata) (Snow on the Mountain or Mountain Spurge) (A) (2 ft.)

Remarkably distinct plant very showy with its foliage edged white and green. Pkt., 10c.

FOUR O'CLOCK

(Mirabilis) or (Marvel of Peru) (A) (2 ft.)

The plant is quick-growing, erect and bushy. It derives its name from its habit of opening its flowers only late in the afternoon and on cloudy days. Pkt., 10c.

FOXGLOVE

(See Digitalis)

FORGET-ME-NOT

(Myosotis Alpestris) (P) (4 to 9 in.)

Considered one of the best spring flowers and when grouped with pansies and daisies, the color combination obtained is truly wonderful. Pkt., 10c.

EARLY DWARF BLUE—An ideal variety for rock gardens or edgings. Pkt., 10c.

CHINESE BLUE—A beautiful late-flowering deep blue variety. Pkt., 10c.

FEVERFEW

(Matricaria Capensis) (P)

A very free flowering border plant, bearing masses of white yellow flowers. Well adapted for bedding and cutting. Pkt., 10c.

GODETIA

(Evening Primrose) (A) (12 in.)

They do best in a rather poor soil. An attractive hardy annual. Finest double. All shades, pkt., 10c.

GAILLARDIA

(Blanket Flower) (P) (20 in.)

Large, handsome heads of double quilled flowers in rich shades of red and yellow. All shades mixed, pkt., 10c; single mixed colors, pkt., 10c; double mixed colors, pkt., 10c.

GRANDIFLORA (P)—Large flowers nearly five inches in diameter. Fine for cutting. Pkt., 15c.

GYPSOPHILA (A) (2 ft.)

Small white and pink fairy-like flowers, borne on long, feathery stems. No flower adds more light and grace to a bouquet than this. Pkt., 10c.

GYPSOPHILA

(Baby's Breath) (P) (2 ft.)

Hardy perennial. Flowers white, with a general impression of being lavender, when in bud. Pkt., 10c.

GERANIUM (B) (1 to 2 ft.)

These grow readily from seed the first year and produce blooming plants the first summer. Pkt., 10c.

HELICHRYSUM

(Strawflower) (A) (32 in.)

Sometimes termed "everlasting flowers." They are an ornament to the garden when growing and are prized for winter decoration of vases. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place. Mixed, all colors. Pkt., 10c.

HOLLYHOCKS (P) (5 ft.)

One of the oldest garden favorites and unsurpassed among the perennials for mass or clump planting. Ever-blooming double mixed, pkt. 10c. Can be furnished in the following separate colors: Crimson, Deep Rose, Scarlet, Lilac, Salmon, Yellow, Pink, White. Any above colors, pkt., 10c.

HUNNEMANNIA

(See Santa Barbara Poppy)

HELIANTHUS

(Sunflower) (A) (4 ft.)

Flowers are large, double and of rich saffron color. Pkt., 10c.

HELIOTROPE (A)

A tender purple plant with a sweetly haunting perfume. Start seeds in box. Mixed fine. Pkt., 10c.

ICE PLANT

(Mesembryanthemum) (A) (6 in.)

Foliage covered with ice-like globules. Suitable for porch boxes or hanging baskets. A beautiful plant for dry sunny locations on banks, rockwork, old walls, etc. Pkt., 10c.

JOB'S TEARS

(Coix Lachrymae) (A) (2 to 4 ft.)

An ornamental grass with curious seeds which may be used as beads. Pkt., 10c.

LATHYRUS

(Perennial Sweet Pea)

Very decorative climbing vine of the pea family. For growing on fences, trellis, etc. Fine for cutting. Blooms all summer. Pkt., 10c ½ oz., 35c; 1 oz., 60c, postpaid.

LANTANA (P) (2 ft.)

Shrubby plant with Verbena-like flowers. May be grown in pots or set out in summer; remains in bloom late in autumn. Mixed, pkt., 10c.

LARKSPUR

(Annual Delphinium) (A) (3 to 4 ft.)

Blooms quickly from seed sown in the spring. Makes excellent cut flowers. Double Branching mixed, pkt., 10c; Double Branching Pink, pkt., 10c.

LINUM

(Scarlet Flax) (A)

A showy and effective bedding plant. The flowers are deep crimson with black centers and saucer-shaped. Pkt., 10c.

for Better Flowers

feed them this complete,
balanced diet

VIGORO
Complete plant food



PLANTS FOR VARIOUS PURPOSES

Low Growing Plants Suitable for Edgings

Alyssum	Centaurea,
Arabis	Candidissima
Armeria (Perennial)	Lobelia
Brachycome	Nasturtium (Dwarf)
Nemophila	

LUPIN (A) (2 ft.)

Free flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers. Mixed, pkt., 10c.

TEXAS BLUE BONNETS—One of the prettiest of all dwarf-growing Lupins. Makes charming bushy plants 15 inches in height, and carries an abundance of flower spikes 4 to 6 inches in length. The flowers are of a delightful blue, with a distinct heart shaped eye of a deep rosy flesh shade in the center of the standard. Pkt., 15c.

LOBELIA (A)

Make a neat and effective edging for geraniums and ornamental leaved plants; pretty for baskets and vases and borch boxes. Colors are deep blue and blue marked with white. Pkt., 10c.

MARIGOLD (A) (30 in.)

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

ORANGE AND YELLOW—Pkt., 10c.

TALL ORANGE PRINCE—Pkt., 10c.

LEMON BALL—Light yellow ball shaped. Pkt., 10c.

FRENCH DWARF (10 in.)—The coloring in this variety are elegantly striped and spotted. Single mixed, pkt., 10c; double mixed, pkt., 10c; double golden-yellow, pkt., 10c.

LEGION OF HONOR (8 in.)—Rich golden-yellow, marked with velvety brown. Best for edging. Pkt., 10c.

DIADEM SINGLE—Color, Mahogany Red edged with Gold. Pkt., 10c.

GUINEA GOLD—(See Specialty Page 1)

MATRICARIA

(Feverfew) (A) (1 ft.)

Neat, small, double white flowers, well adapted for bedding and cutting. Mixed, pkt., 10c.

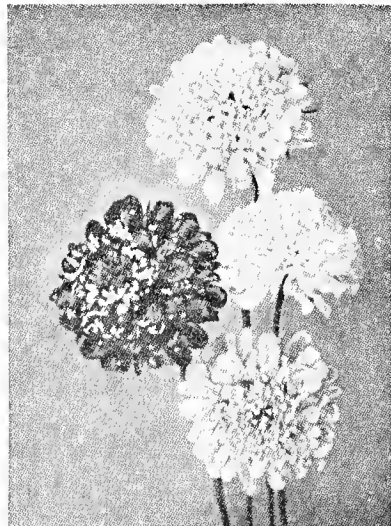
MEXICAN FIRE BUSH (A) (3 to 4 ft)

One of the most satisfactory plants for annual hedges. When sown thinly so that each plant can develop, it makes a beautiful symmetrical plant. Remains green all summer and turns deep red in the fall. Pkt., 10c.

MIGNONETTE (A) (1 ft.)

(A) (1 ft.) (Reseda Odorata)

One of the best known and most popular flowers indispensable for the garden; is suited to almost any location and soil. Sweet Grandiflora (Large flowering, very fragrant). Pkt., 10c.



"X-L" SCABIOSA

MOURNING BRIDE

(Scabiosa Atropurpurea) (A) (2½ ft.)

These hardy annuals show a great variation of colors, and the long stems and keeping qualities of the blossoms make this one of the best annuals for bouquets.

Mixed, pkt., 10c; Dwarf Double Mixed, pkt., 10c.; Azure Blue, pkt., 10c; King of the Blacks, pkt., 10c; Peach Blossom Pink, pkt., 10c; Sulphur Yellow, pkt., 10c; Pure White, pkt., 10c.

MOON FLOWER

(See Ipomoea)

IPOMOEA

(Moon Flower) (A) (20 ft.)

Beautiful rapid annual climbers. Foliage very dense. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination.

ROYAL JAP—All colors. Pkt., 10c.

HEAVENLY BLUE—The flowers measure from 3½ to 4 inches across. Sky-blue with a white throat. Sow seeds in pots and plunge pots in ground as they are rank growers and the roots should be confined. Pkt., 15c.

MORNING GLORIES

A handsome showy climber of easy culture and suitable for covering arbors, windows, trellis, old stumps, etc., if support be given the vines. Mixed varieties. Pkt., 10c. Oz., 35c.

NASTURTIUMS

DWARF MIXED—Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.00, postpaid.

TALL MIXED—Pkt., 5c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.00, postpaid.

GOLDEN GLEAM—Double Sweet-Scented. (For description see Specialty Page 1. Pkt., 10c.

NICOTIANA

(Sweet-Scented Tobacco Plant) (A) (2 ft.)

The plants are in full flower every sunny day from June until frost. Pkt., 10c.

NEMOPHILA

(Baby Eyes) (A) (6 in.)

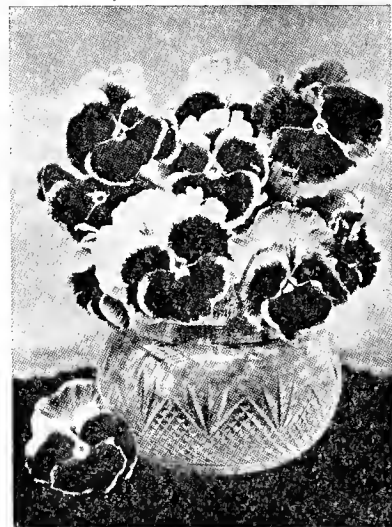
Hardest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border. Mixed, all colors. Pkt., 10c.

MYOSOTIS

(See Forget-Me-Not)

"X-L" Super Giant Pansies.

Use either our plants or seed. You will receive many compliments.



PANSIES

(Giant Mixed)

(A) (6 to 8 in.)

Pansy Plants See Page 21

All colors mixed, pkt., 10c.

FINEST SHOW—All colors mixed, pkt., 20c.

GOLDELSE—Pure Yellow. Pkt., 15c.

CARDINAL—Brilliant Red. Pkt., 15c.

BEACONSFIELD—Upper petals light lavender, lower ones a rich purple. Pkt., 15c.

EMPEROR WILLIAM—Dark Navy Blue. Pkt., 15c.

KING OF THE BLACKS—Jet Black. Pkt., 15c.

PETUNIAS (A)

They are attractive in beds and masses, serve well for broad borders or bands, and thrive in window boxes.

HYBRIDA MIXED—Pkt., 10c.

GIANTS OF CALIFORNIA—The flowers of this strain average 5 to 7 inches across, many being ruffled and fringed. Pkt., 25c.

BALCONY PURPLE—(Deep Blue). Pkt., 15c.

BALCONY WHITE—Pkt., 15c.

Single Dwarf Small-Flowering Varieties

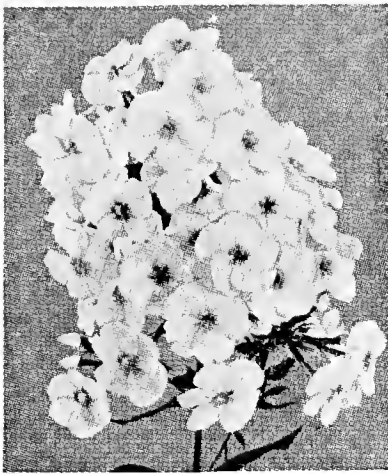
ROSE OF HEAVEN—Rich Brilliant Rose, with inconspicuous white throat. Pkt., 15c.

Flowers from Seed for Shady Places

Bellis
Campanula
Columbine
Coreopsis
Pansy

Digitalis
Godetia
Lobelia
Myosotis
Poppy, (Perennial)

Nemophila



In competition with hundreds of other exhibitors, I won First Prize with my Petunias and am pleased to state that I purchased my seed from you. I recommend "X-L" Brand Flower Seeds to all lovers of flowers.—Mrs. Lilian Morris, Great Falls, Mont.

"X-L" Phlox
Chamois Rose

PHLOX DRUMMONDI (A) (1 ft.)

They are easily grown, give a quick return of bloom and offer a large variety to choose from. They are also beautiful in beds and borders.

MIXED—Pkt., 10c.

CHAMOIS ROSE—Pkt., 10c.

COCCINEA—Fiery Scarlet. Pkt., 10c.

ISABELLINA—Creamy Yellow. Pkt., 10c.

SPLENDERS—Crimson with White eye. Pkt., 10c.

PHLOX

(Perennial)

Mixed individual flowers similar to the American variety but borne in clusters of 30 to 40 flowers on tall, stiff stems 2 to 4 feet high. Pkt., 10c.

PINKS

(Dianthus) (A) (1 ft.)

A popular class of flowers which should be used more generally in garden culture. Double mixed. Pkt., 10c.

DIANTHUS

(See Pinks)

POPPIES (A) (36 in.)

Mixed, all colors. Pkt., 10c.

SHIRLEY (A) (20 in.)—These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut. Pkt., 10c.

DOUBLE SHIRLEY—Beautiful satiny flowers of rose pink. Pkg., 10c.

TULIP POPPY (Glaucum) (20 in.)—Large tulip-shaped flowers of dazzling scarlet. Pkt., 10c.

PEONY-FLOWERED POPPY—Double ball-shaped flowers with plain edges of gigantic size. Pkt., 10c.

SANTA BARBARA POPPY (A) (1½ ft.)—The plants grow into a shrubby bush and produce their large cup-shaped flowers three inches across on stems 12 inches long. Pkt., 10c.

ICELAND POPPY (P) (1 ft.)—Few hardy flowers are better adapted for table decorations. Blooms the entire summer with pretty cup-shaped flowers on slender, leafless stems. Mixed. Pkt., 10c.



"X-L" Oriental
Poppies.

The talk of Great
Falls in 1932.

ORIENTAL POPPY

(P) (3 ft.)

(Papaver Orientale)

For brilliancy of color there is nothing that quite equals the Oriental Poppy. Especially adapted to mass planting and in hardy borders with shrubs, and other perennials. Pkt., 10c.

Protect your flowers from all leaf eating insects and fungus diseases by using All Around Spray. See page 27 for description.

Climbers for Porches, Trellises or Fences

Annuals

Balloon Vine	Humulus Japonica
Cardinal Climber	Morning Glory
Cobea Scandens	Nasturtiums
Cypress Vine	Sweet Peas

Perennials

Clematis	Ivy
Honeysuckle	Perennial Pea

PORTULACA

(A) (6 in.) (Moss Rose or Sun Plant)

Fine for massing in beds, edging rockwork and frequently used to cover sunny banks. Single mixed, pkt., 10c; double mixed, pkt., 10c.

PYRETHRUM

(Golden Feather) (A) (6 in.)

Fine, compact habit of growth, with bright yellow foliage, largely used for edgings and ribbon borders. Pkt., 10c.

PYRETHRUM ROSEUM (Painted Daisy) (P) (1 to 2 ft.)—Charming color and wonderful lasting properties as a cut flower in all shades of rose and pink. Pkt., 10c.

RICINUS

(See Castor Bean)

SALPIGLOSSIS (A) (2½ ft.)

They are very desirable for cut flowers. The flowers resemble the Petunia in shape and each flower is veined with a glint of gold. Pkt., 10c.

SALVIA

(Scarlet Sage) (A) (16 in.)

The brightest and most popular of all bedding plants. The brilliant scarlet flowers are very striking against the dark green background of foliage. Pkt., 10c.

SCARLET FLAX

(See Linum)

SCHIZANTHUS

(See Pinks)

STATICE (A) (3 ft.)

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among ever-lasting, and have come to be indispensable in making winter bouquets. All colors, mixed, pkt., 10c. Also, Rose, Yellow, Blue and Lavender. Above colors, pkt., 10c.

SNAP DRAGON

(See Antirrhinum)

STOCKS

(Ten Weeks) (A) (1 ft.)

The flowers appear on long, stiff stalks like small rosettes. Are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Mixed	Azure Blue
Blood Red	Deep Purple
Bright Pink	Pure White
Canary Yellow	

All of the above colors, pkt., 10c.

BEAUTY OF NICE (A) (16 in.)—This sort is excellent for bedding and cutting. Follows the Ten-Weeks class in season of bloom. Mixed, pkt., 10c.

EVENING-SCENTED LILAC (Evening-Scented Lavender) (A)—Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a considerable distance. Pkt., 10c.

SUNFLOWER, DOUBLE

(See Helianthus)

SUNFLOWER SEED

CHRYSANTHEMUM DOUBLE FLOWERING (A) (6 ft.)—Flowers are golden-yellow resembling large type Chrysanthemums. Pkt., 10c.

MAMMOTH RUSSIAN—Is largely planted for seed. It also makes a good wind break and a very ornamental background. Pkt., 10c; lb., 35c.

SWEET SULTAN

(Centaurea Imperialis) (A) (2½ ft.)

The flowers are exquisitely fringed, three to four inches across, borne on long stems and are very fragrant. Mixed all colors, pkt., 10c.

SHASTA DAISY (P) (2 to 2½ ft.)

This ever popular, hardy daisy can be used for a number of things. It will succeed most anywhere. Pkt., 10c.



"X-L" Sweet William.
An old favorite that is glorified
by our "X-L" improvements.

SWEET WILLIAM
(*Danthus Barbatus*) (P) (18 to 24 in.)

There is no need to describe this plant since it is so well known. The flowers are produced in great profusion on large heads. Mixed, Dark Crimson, Pink, Scarlet, Pure White. Pkt., 10c.

TRITOMA
(Red Hot Poker) (P) (3 to 4 ft.)

A beautiful showy border plant, producing handsome red or orange colored flowers on long stems. Pkt., 10c.

THUNBERGIA
(Black Eyed Susan) (A)

A beautiful trailing plant with very attractive flowers. It will creep over the ground, making a very pretty mat effect of foliage and flowers. Mixed colors. Pkt., 10c.



"X-L" Tritoma
Red Hot Poker
A fine border flower.

Protect your flowers from all leaf-eating insects and fungus diseases by using All Around Spray. See page 27 for description.

VERBENAS (A) (18 in.)

The Verbena is one of the most popular bedding annuals. Easily grown from seed and can be used in beds, borders, rockwork and window boxes with good results. White, Scarlet, Pink, Purple, Yellow, Mixed shades. Pkt., 10c.

VIOLA (Violet) (P)

No garden is complete without them. They bloom sooner than most other flowers and their fragrance is delightful. Pkt., 10c.

WALLFLOWER (A) (1½ ft.)

They are easily grown and last long as cut flowers. Seed can be started indoors or in the open ground when it is warm. The coloring runs mainly to rich yellow, orange and purple. Double mixed, pkt., 10c.

ZINNIAS (A) (3 to 4 ft.)

The most gorgeous annuals with a wonderful range of color. Extremely double flowers with long stems and good keeping qualities, make this old-fashioned flower a joy in the garden. If you plant but one annual, plant this.

Giant Double Red, Pink, Orange, Yellow, Purple, White and Giant Double Mixed. Pkt., 10c.

ZINNIA. DAHLIA FLOWERED (A) (3 to 4 ft.)—Flowers often measure four inches in depth and 6 to 8 inches in diameter. In formation the petals are closely interwoven, sometimes seeming almost to be piled one upon the other. Red, Pink, Orange, Yellow, Mixed colors. Pkt., 10c.

"X-L" Zinna
Ranks next to Sweet
Peas in popularity.

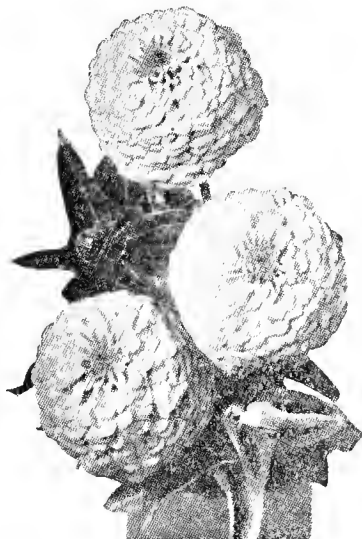
**ZINNIA, CUT AND
COME AGAIN**
(See Specialty Page 1)

**ZINNIA,
GIANT PICOTEE**

A new class with beautiful double flowers, each petal being distinctly tipped with various shades of red. Mixed, pkt., 20c.

ZINNIA, QUILLED—The petals are partially tubular or quilled, displaying a rich variety of colors mostly of the warmer shades. On the reverse side the petals are light or dark lilac, making a wonderful combination of colors. Pkt., 20c.

ZINNIA, CALIFORNIA GIANTS (3 to 4 ft.)—They are larger than Colossal and a cross between them and the Dahlia Flowered types. Mixed, pkt., 15c.



VINES FROM SEEDS

AUSTRALIAN PEA VINE—A rapid growing evergreen climbing perennial, flowering freely in large clusters of rose flowers. For covering arbors, trellises, etc., they have no superior. Pkt., 10c; oz., 50c.

BALLOON VINE (Love-in-a-Pull) (A)—A rapid growing annual climber; succeeds best in light soil and warm situation; flowers white, seed vessels like miniature balloons. Pkt., 10c.

BEANS (Scarlet Runners) (A)—A great favorite not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet sprays of pea-shaped blossoms. Pkt., 5c; ¼ lb., 20c; ½ lb., 35c; lb., 60c.

BEAN HYACINTH (Dolichos) (A)—This really beautifully climbing plant is of quick growth. Foliage is handsome and the clustered spikes of beautiful purple and white flowers are borne in great profusion. Pkt., 10c; oz., 25c.

BOSTON or JAPANESE IVY (Ampelopsis Veitchii) (P)—A rapid creeper with lovely green foliage which turns red in fall. Pkt., 10c; oz., 50c.

CANARY BIRD VINE (P)—A beautiful climber; flowers bright golden yellow, bearing a fanciful resemblance to birds with expanded wings. Pkt., 10c.

CARDINAL CLIMBER (A)—This is a great favorite amongst climbers and attains a height of fifteen feet. The bright scarlet flowers are not large, but grow in such profusion as to completely cover the vines. Pkt., 10c.

CYPRESS VINE (Ipomoea Quamoclit) (A)—A climber of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers. Mixed.

COBOEA SCANDENS (A)—One of the most handsome and most rapid growing of the annual climbers. It climbs 30 feet in a season. Mixed. Pkt., 10c.

JAPANESE KUDZU VINE (A)—The Kudzu vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome flowers. Pkt., 10c.

GOURDS, Ornamental Mixed (A)—Nest Egg (A)—These are desirable in many places where an immense amount of vine is wanted quickly. Pkt., 10c.

WILD CUCUMBER—This is the quickest growing climber on our list. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Pkt., 10c; 1 oz., 20c; ¼ lb., 60c, postpaid.

JAPANESE HOP (Humulus) (A)—Variegated Japanese Hop. A charming climber attaining growth of 20 to 25 feet in a few weeks. Not injured by insects or by heat, and the vine retains its beauty until frost. Pkt., 10c.

MORNING GLORIES—A handsome showy climber of easy culture and suitable for covering arbors, windows, trellises, old stumps, etc., if support be given the vines. Mixed varieties. Pkt., 10c; oz., 35c.

FALL PLANTING PERENNIALS

All perennials may be successfully planted in the fall and some varieties do much better when planted in the fall than in the spring. If you are interested in fall planting, write us and we shall be pleased to advise you the varieties to be planted in the fall.

"X-L" Sweet Peas

EARLY FLOWERING SPENCERS

This group of Sweet Peas deserves more attention from home gardeners who have been disappointed in growing the later varieties. They come into bloom approximately three weeks earlier and for that reason should be well in flower before the summer droughts arrive. In addition to this, the vines have a long blooming season.

EARLY BLUE BIRD—Pure blue, long stemmed and produces fine, waved flowers. It was very popular last season.

EARLY HARMONY—Clear lavender. Has enjoyed wonderful popularity due to its vigorous habit, big flowers and fine color.

EARLY GIANT ROSE—Warm rose pink. For extreme size of flower, splendid form, and beautiful waving we recommend this variety.

EARLY SPARKLE—A fiery light scarlet. A strong grower furnishing splendid flowers on stout stems.

EARLY SNOWSTORM IMPROVED—A clear glistening white with large frilled flowers on long stems.

Prices on any of the above straight colors:

Pkt.	10c
½ oz.	30c postpaid
1 oz.	50c postpaid
¼ lb.	\$1.75 postpaid

"X-L" EARLY FLOWERING MIXED—Try a generous row of this mixture in your garden. The blend contains a choice selection of named varieties, and the flowers will make a brilliant show. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25, postpaid.

CHOICE SPENCER MIXED—A carefully blended mixture containing an unusually wide range of beautiful colors. Pkt., 10c; oz., 20c; ¼ lb., 55c; ½ lb., 90c; lb., \$1.50, postpaid.

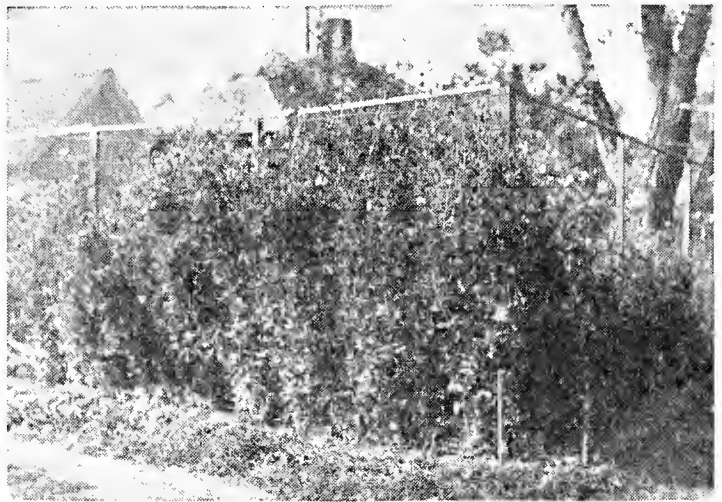
PERENNIAL SWEET PEAS—(See Lathyrus)

For New Sweet Pea Introductions, see
Specialty Page No. 1

GRAHAM & ROSS 1933 COLLECTION OF SPENCER SWEET PEAS

For the sum of 75c we offer these ten beautiful varieties. One package each of Austin Frederick, Avalanche, Blue Bird, Dobies Cream, Elfrida Pearson, King Edward, Mary Pickford, Miss California, Nubian and Youth.

Each set of 10 pkgs., 75c, postpaid.
No substitutions.



"X-L" Sweet Peas raised by Geo. Hey, 1104 Fourth avenue north, Great Falls. "X-L" Brand Sweet Peas are known all over Montana for their great height, long stems and beautiful large ruffled blossoms.

"X-L" STANDARD GIANT SPENCERS

This class is particularly thrifty and vigorous. The flowers are consistently large, with upright standards delicately waved or frilled and with graceful wings.

AUSTIN FREDERICK—We regard this variety as the best lavender Sweet Pea.

AVALANCHE—A pure glistening white and the best white we know.

BLUE BIRD—A deep, rich blue.

DOBIES CREAM—Good strong grower with fine flowers of deep primrose.

ELFRIDA PEARSON—An exquisite light shell pink. Very vigorous and long stemmed.

HUNTSMAN—Extra large flowers of real bright scarlet, borne on long stems.

KING EDWARD—Produces flowers of large size and beautiful form. Color deep rich red.

MARY PICKFORD—A profuse bloomer of very large flowers of a dainty cream pink with a soft suffusion of salmon.

MISS CALIFORNIA—A new shade of salmon pink that should be planted in every garden.

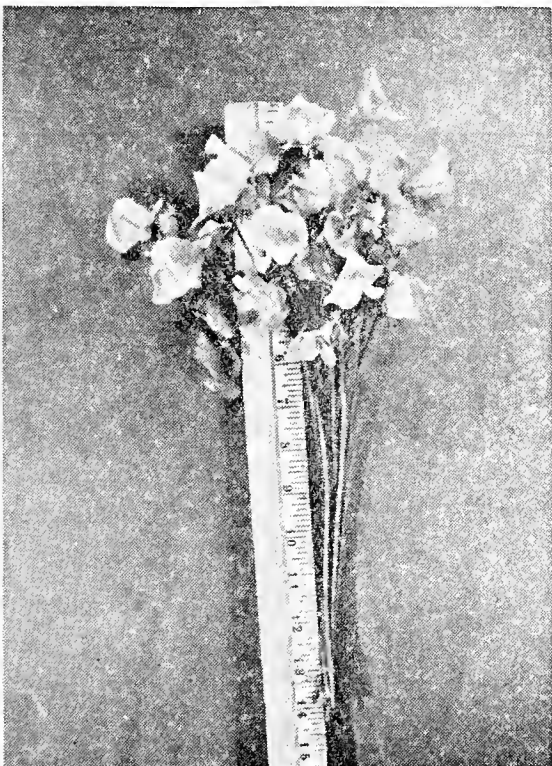
NUBIAN—The nearest color to pure chocolate yet introduced in Spencer Sweet Peas.

YOUTH—A large white with pink picotee. Very attractive.

Prices on above straight colors: Pkt., 10c; oz., 30c; ¼ lb., 90c, postpaid.

GRAHAM & ROSS SPECIAL COLLECTION OF STRAIGHT COLOR EARLY FLOWERING SWEET PEAS

One 10-cent packet of the five straight colors in Early Flowering Sweet Peas, regular value, 50c. Postpaid to your station for 40c.



An attractive picture of "X-L" Sweet Peas showing stems and blossoms 14 inches long.

For the past few years I have purchased your "X-L" brand Spencer Sweet Peas and always have wonderful flowers. Last season I won First Prize with my collection of Spencer Sweet Peas. I always have flowers in bloom the first week in June.—Mrs. C. C. Bartol, 925 Fourth avenue northwest, Great Falls, Mont.

NOTE: To anyone interested, we shall be pleased to advise the method of cultivation used by Mrs. Bartol in producing blooming Sweet Peas this early.—Graham & Ross Merc. Co.

GRAHAM & ROSS "ROYAL" MIXTURE OF GIANT SPENCER SWEET PEAS

Made up from our complete list of named varieties including those of recent introduction. We have been very careful in preparing this mixture so that each package will contain a proper proportion of color and seeds of the choicest varieties. Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.25; lb., \$2.25, postpaid.

Hardy Rock Garden Plants



Rock garden and pool at home of Donald R. Ross, 3000 First avenue north.
Let us plan your rockery.

Be the first in
your commu-
nity to have
the newest and
most popular
vogue in gar-
dening.

FREE INFORMATION FOR THE ASKING

We are willing to help you plan the suitable rockery for your location. Mail us a rough sketch showing the desired location you wish together with approximate size and we shall advise the proper construction and most suitable plants.

PRICES POSTPAID

Age	Number of plants		
	1	6	12
1 yr.	\$0.30	\$1.50	\$2.50
2 yr. ....	.35	1.80	3.10
3 yr. ....	.70	3.50	6.00

PRICES NOT POSTPAID

Age	Number of plants		
	1	6	12
1 yr.	\$0.20	\$1.00	\$1.80
2 yr. ....	.25	1.25	2.25
3 yr. ....	.50	2.40	4.75

NOTE: The first figure after variety designates the age of plant while the last figure is the height that each plant grows.

ARABIS, Alpina, 1 yr.—An early spring flower, color pure white, 6 in.

AUBRIETIA, 1 & 2 yr.—Dwarf creeping plant, 6 in.

ASCLEPIAS, Butterfly Weed, 1 yr.—Orange flowers with purplish stems and hairy leaves, 18 in.

CERASTIUM, Tomentosum, 1, 2 & 3 yr.—Makes a beautiful silvery white foliage, 4 in.

DIANTHUS, 1 & 2 yr.—Color a fiery red making a pleasing contrast, 1 ft.

GYPSOLPHIA, 1, 2 & 3 yr.—Blooms during the summer, color white, 6 in.

HEUCHERA SANGUINEA, 1 & 2 yr.—A deep crimson, blooms in June, 30 in.

PLATYCODON, 1 & 2 yr.—Color a deep blue, 1 ft.

PRIMULA VERIS, 1 & 2 yr.—Colors, yellow, orange and carmine mixed, Early spring, 9 in.

PYRETHRUM, 1, 2 & 3 yr.—Called Painted Daisy, 18 in.

RANUNCULUS, 1 yr.—Variable in color, generally double in form, 6 to 12 in.

SAPONARIA, 1 & 2 yr.—A trailing plant of white and crimson, 6 in.

SAXIFRAGA, 1 yr.—Masses of white flowers, 18 in.

SEDUM, 1 yr. (Golden Moss)—A pure yellow, 3 in.

THALICTRUM, 1 yr.—Small plumes, white flowers, 9 in.

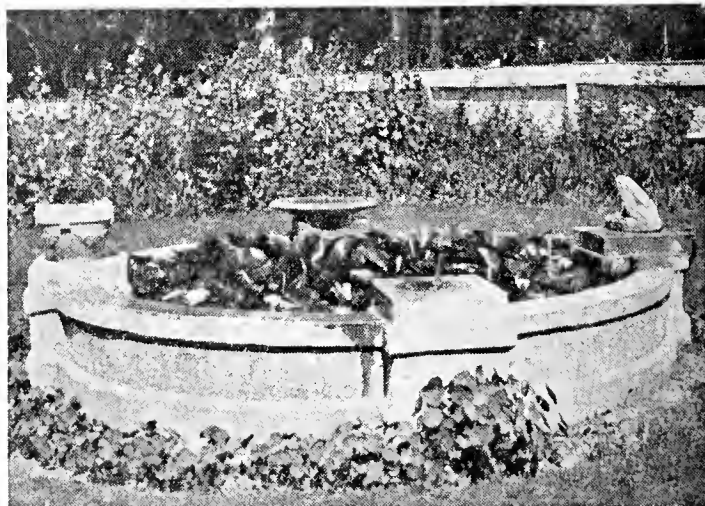
POPPY MALLOW (Callirhoe) 1 yr.—Trailing plant of large crimson flowers, 6 in.

Annual Seeds Suitable for Rock Gardens

Ageratum	Petunia
Anchusa Annual, Blue	Portulaca
Bird	Thunbergia
Antirrhinum	Verbena, all varieties
Alyssum, all varieties	Wallflower, annual
Dianthus, all varieties	varieties
Eschscholtzia, all	Zinnia
varieties	Lobelia
Nemophila	

Perennial Seeds for Rock Gardens

Dianthus, Plumarius	Alyssum, Saxatile
Forget-Me-Not,	Compactum
Alpestris	Arabis, Alpina
Pyrethrum, Roseum	Armeria, Formosa
Viola, Violet	Candytuft



We don't blame people for envying Mrs. A. F. Longeway of 503 Third avenue north, for this cool and inviting corner. The lily pool in the foreground is full of gold fish and at one time had about twenty beautiful lily blossoms.

Plants for Special Needs

Vegetable Plants and Roots

All vegetable plants are grown under our direct supervision by experienced experts. We have built up a large growing business on the quality of plants we send out. A trial order will convince you.

SHIPPING DATE—All plants will be shipped, when to our judgment, danger of frost is over. If ordered with seeds or poultry supplies, balance of order will be filled and acknowledgment of plant order will be packed in shipment.

	Per 12
TOMATOES, 2-inch pot grown.....	\$0.75
TOMATOES, 3-inch pot grown.....	1.00
TOMATOES, 4-inch pot grown.....	1.50
TOMATOES, Bench Planted .....	.50

Note: We do not ship 4-inch pot grown tomatoes by parcel post, and recommend that they be shipped by express only.

	Per 12
CABBAGE	\$0.15
CAULIFLOWER .....	.25
CELERY (Per 50 P. P. \$1.55).....	.30

CUCUMBERS—2½-inch pots, each, 10c; postpaid, 15c; per dozen, 75c; postpaid, \$1.00.

ASPARAGUS—Washington. Rust-Proof — 2-year-old field grown roots. Per dozen, 40c; 50, \$1.60; 100, \$3.00.

TOMATOES—We can furnish the following varieties: Bonny Best, Earliana, John Baer and Red Head.

CABBAGE—We have the following varieties: Golden Acre, Copenhagen Market, Danish Ball Head, Late Flat Dutch, Jersey Wakefield and Red Head.

CAULIFLOWER—Improved Stock Early Snowball.

CELERY—Golden Self-Blanching.

CUCUMBERS—Improved White Spine.

NOT POSTPAID			POSTPAID		
Per 50	Per 100	Per 1,000	Per 12	Per 100	Per 1,000
\$.....	\$.....	\$.....	\$1.10	\$.....	\$.....
.....	.....	.....	1.35	.....	.....
.....
.....	3.75	.....	.65	4.25	.....

NOT POSTPAID			POSTPAID		
Per 50	Per 100	Per 1,000	Per 12	Per 100	Per 1,000
\$.....	\$1.00	\$8.00	\$0.25	\$1.40	\$9.00
.....	1.50	.....	.35	1.85	.....
1.25	2.25	.....	.45	2.75	.....

RHUBARB—Strong 1-year-old roots. Each, 25c; per dozen, \$2.50. 2-year-old, Each, 35c; per dozen, \$3.00.

HORSERADISH—Large clumps, each, 50c.

ONION PLANTS—See page 8.

Flower Plants

ANNUALS

(See Flower Seed Section for Description)

Prices except where otherwise noted: 2½-inch pots, 60c doz., not postpaid; 75c doz., postpaid.

We can furnish the following Annual flowers in potted plants ready to set out. Have the earliest blooms in your neighborhood by ordering a few dozen Annuals. The most striking colors of all flowers are found in Annuals.

Asters	Pansies	Scabiosa
Snapdragons	Salpiglossis	Zinnias
Monkey Flowers	Sweet Allysum	Verbenas
Calendula	Lobelia	Stocks
MARGUERITES—	3-inch pot, 30c; postpaid, 40c	
	4-inch pot, 40c; postpaid, 50c	
GERANIUMS—	3-inch pot, 30c; postpaid, 40c	
	4-inch pot, 40c; postpaid, 50c	

PETUNIAS (Ruffled)—3-inch pot, \$1.25; postpaid, \$1.50
4-inch pot, 1.75; postpaid, 2.00

BENCH PLANTED PETUNIAS—Per dozen, 75c; postpaid, \$1.00.

PANSIES

GRAHAM & ROSS GIANT MIXTURE—Per doz., 50c; postpaid, 75c.

GRAHAM & ROSS IMPROVED SWISS GIANT—Per doz., 75c; postpaid, \$1.10.

This new strain is without doubt the largest pansy grown.

PHLOX (Perennials)

Prices:	
1 yr.,	\$0.25; postpaid, \$0.30 each
1 yr.,	1.25; postpaid, 1.50 per ½ dozen
2 yr.,	.50; postpaid, .60 each
2 yr.,	2.25; postpaid, 2.60 per ½ dozen
BRIDESMAID—	Pure white with large crimson eye.
ELIZABETH CAMPBELL—	Pure pink.
FEURBRANDT—	A new variety of dark flaming red.
MISS LINGARD—	Pure white, the earliest of all.
SUBULATA-ROSEA—	A dwarf or alpine Phlox. Moss like foliage completely covered with dainty pink flowers.
THOR—	Deep salmon pink overlaid with a scarlet glow.

PERENNIALS

(See Flower Seed Section for Description)

NOTE: The figures following each variety specifies the size and age of plants we have.

Prices on Perennials except where otherwise noted:

	1 year	2 year clumps	3 year clumps
Each, not postpaid.....	\$0.20	\$0.30	\$0.50
Each, postpaid .....	.30	.40	.65
Per dozen, not postpaid.....	1.80	3.00	4.80
Per dozen, postpaid	2.00	3.40	5.25

ACHILEA (The Pearl)—1, 2, 3 yr.
ANCHUSA (Italica Dropmore)—1 & 2 yr.
ANTHEMIS (Golden Marguerite)—1, 2 & 3 yr.
ASTERS (Perennial)—1, 2 & 3 yr.
BOCCONIA (Plume Poppy)—1, 2 & 3 yr.
AQUILEGIA (Long Spurred Varieties)—1, 2 & 3 yr.
PERENNIAL RED CARNATION—1 yr., 40c; p.p., 50c
2 yr., 50c; p.p., 65c
CENTAUREA MONTANA (Yellow)—1 & 2 yr.
DELPHINIUM (Gold Metal Strain)—1 yr., 40c; p.p., 50c
2 yr., 50c; p.p., 65c

FOXGLOVES—1 yr.
GAILLARDIA (Blanket Flower)—1, 2 & 3 yr.
HIBISCUS—1 & 2 yr.
GRASS—Japonica Varigated, 1 & 2 yr.
GYPSOLPHIA—1, 2 & 3 yr.
HOLLYHOCKS (Double Pink, Red, White, and Yellow)—1 yr.
LYCHNIS—Chalcedonica (Jerusalem Cross)—1, 2 & 3 yr.
LYCHNIS—Viscaria, 1 & 2 yr.
PHYSALIS—1, 2 & 3 yr.
ORIENTAL POPPIES—1, 2 & 3 yr.
STATICE—2 & 3 yr.
VALERIANA (Garden Heliotrope)—1, 2 & 3 yr.
VIOLETS—1 yr.
YUCCA (Adams Needle)—1, 2 & 3 yr.
CAMPANULA—1 yr. White and Blue.
SWEET WILLIAMS—1 yr.
SWEET ROCKET—1 & 2 yr.
GOLDEN GLOW—1, 2 & 3 yr.
SHASTA DAISY—1, 2 & 3 yr.
HARDY FALL DAISY—1, 2 & 3 yr.

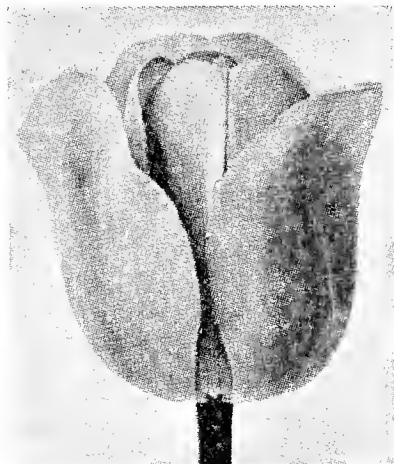
Spring Flowering Bulbs Must Be Planted in the Fall

All Spring Flowering Bulbs Ready for Delivery About September 15

TULIP

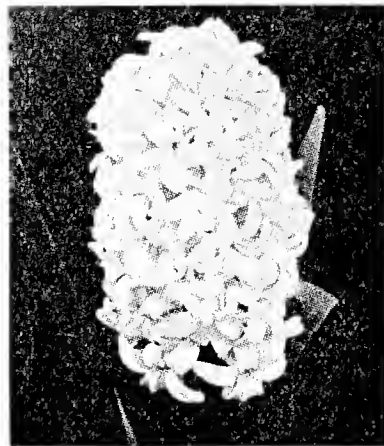
DARWIN—Plant four or five inches deep and six inches apart in raised beds or borders, so that the bulbs are slightly above the level of adjacent lawn or walks. In preparing the ground use bone meal, three handfuls to a square yard, thoroughly mixed through the soil. We can supply choice, No. 1 grade Tulip bulbs in the following colors: Pink, Red, Rose, Violet, Black, White, Yellow and Purple. Price, per doz., 50c; postpaid, 60c.

NO. 1 DARWIN MIXED—This mixture contains all of the shades mentioned above and is so blended to form a gorgeous mass of bloom that will be the envy of your neighbors. Per dozen, 45c; postpaid, 50c; per 100, \$3.50; postpaid, \$3.75.



"X-L" Darwin Tulip "Bartigon." Tulips brighten the spring months. Be sure and order one of our special assortments.

"X-L" Hyacinths. Plant them this fall for a riot of color next spring.



HYACINTHS

Plant in any good well-drained soil and set the bulbs six inches apart and six inches deep. May also be raised in pots for winter blooming. Can be furnished in pink, blue, red or white. Each, 15c; per doz., \$1.50.

CROCUS

One of the earliest flowers to open in spring. Very hardy and can be left in the ground for several years without being disturbed. Plant one inch deep. Can be furnished in purple, white or blue. 50c. per doz., postpaid.

CANNAS

The ideal bedding plant especially where a mass effect is desired. They are quick growers and bloom continuously until fall. Strong prolific roots.

Prices for the following varieties:

Dormant Roots—

Each, 20c; 2 for 35c; per doz., \$1.90, postpaid

Each, 15c; 2 for 25c; per doz., 1.50, not postpaid

Four-Inch Potted Plants—

Each, \$0.35; postpaid, \$0.45

Doz., 3.00; postpaid, 3.50

KING HUMBERT—4 to 5 ft., flowers of orange and scarlet with bronze foliage.

YELLOW KING HUMBERT—4 to 5 ft. Flowers deep, rich yellow spotted with bright red, with green foliage.

HUNGARIA—3½ ft. The best pink Canna. Leaves bluish green, never burn. Flowers very large with immense petals.

SPECIAL COLLECTION CANNAS—Four of each of the above varieties, 1 dozen in all, \$1.65 postpaid.

Graham & Ross Special Tulip Collection

While the bulbs in this collection are not as large, they will bloom the first year. Price, 50 bulbs, \$1.00; postpaid, \$1.10. No order for less than 50 accepted.

DAFFODILS OR NARCISSI

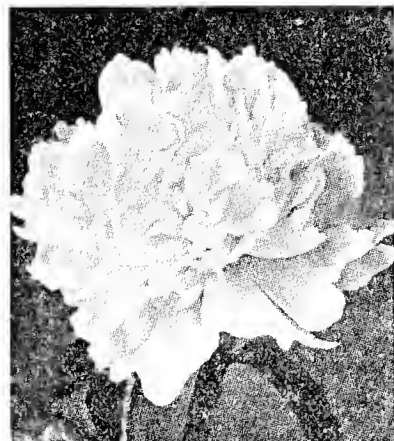
Coming in March or April these are the first of the flowers that dominate. Plant the bulbs six inches deep and the same distance apart in a deep well worked soil. Do not use fresh manure but fertilize only with bone meal.

EMPEROR—The entire flower is a rich yellow. Trumpet of immense size and petals so broad they overlap. Each, 15c; 4 for 53c; per doz., \$1.50.

KING ALFRED—Tall, vigorous golden flowers of elegant form. Each, 15c; 4 for 53c; per doz., \$1.50.

NARCISSI (Paper White)—Easily grown in a bowl containing pebbles and water. A favorite decoration for the living room during the coldest winter months when flowers are scarce. 6 for 27c, postpaid.

PEONIES



"X-L" Peony, Festiva Maxima. The aristocrat of all spring flowers. Be sure to plant our "sure flowering" Peony Roots this fall.

Pink\$0.65 each
Red65 each
White65 each

Peonies are successfully planted in the fall as well as spring.

AMERICA'S GREATEST DECORATION DAY FLOWER

One blossom is a bouquet.

Peonies are without doubt the most hardy and beautiful and most easily grown perennial of the flowers grown in this section and when once planted, lasts a long time. We are in position to furnish named varieties direct from our nursery here in Great Falls. Write us your wants and allow us to quote prices.

We list below Peonies in three different colors. These have been chosen as exceedingly large and profuse bloomers.

5 for\$3.00 postpaid
5 for 3.00 postpaid
5 for 3.00 postpaid

Protect your flowers from all leaf eating insects and fungus diseases by using All Around Spray.

See Page 27 for description.

Graham & Ross Co.
Great Falls, Montana.
Gentlemen:

I have been purchasing flower and vegetable seeds from you for fifteen years and have always found them to be very satisfactory.

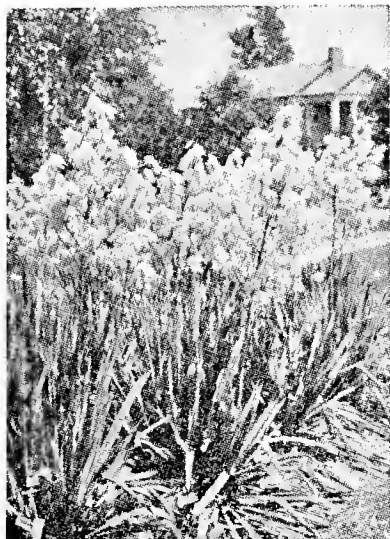
We have developed quite a volume of business on both annual and perennial flower plants, as well as vegetables, and our customers too, have been well pleased.

We appreciate the fact that we have a reliable seed store located so conveniently.

You might be interested in knowing that I have won three First Prizes at the North Montana Fair.

Very truly yours,

Mrs. Marie Wilkinson,
1022 1st Ave. S. W.,
Great Falls, Montana.



"X-L" Iris. Grow some of the newer varieties.

IRIS

Called the Poor Man's Orchid.

The Iris is extremely hardy. It is one of the best drought resisters we have and will also endure a great deal of cold.

NOTE ON DESCRIPTION: "S" refers to the three standards, or upright curling petals; "F" to falls or drooping petals.

AMBASSADEUR—Smoky lavender, F, deep ruby red with orange beard.

LENT, A. WILLIAMSON—"S" Very broad soft violet, F very large velvety royal purple, brilliant gold beard, a massive flower, very early.

MADAME CHEREAU—Pure white with clear frilled lavender edge.

MONSIGNOR—Richest satiny velvet. F deep purple crimson.

QUEEN OF MAY—A soft rose lilac, almost pink. A beautiful tall growing variety.

SEMINOLE—One of the reddest reds.

SOUV. DE MME. GAUCICHAU—Fragrant, one of the largest, darkest and finest of all the dark purple varieties.

SHEKIMAH—Handsome clear soft yellow, deeper color at the throat.

Prices unless otherwise specified:

Each, 15c per dozen, \$1.50, not prepaid.

Each, 25c; per dozen, \$2.50, postpaid.

LORD OF JUNE—"S" Pale lavender blue; "F" deep blue, massive flowers, of perfect form. Strong grower and one of the finest in cultivation.

Each, 30c; per doz., \$3.00, not postpaid.

Each, 50c; per doz., 4.25, postpaid.

Iris May Be Planted in the Fall With Great Success

DAHLIAS

Prices Are All Postpaid

We grow our own Dahlia bulbs in Great Falls and are listing only those varieties which are especially adapted to northwest conditions.

Symbol "D" Decorative

Symbol "S" Show

Symbol "C" Cactus

Symbol "P" Pompon

JERSEY'S BEAUTY (D)—A perfect true pink. Wonderful keeper when cut. Probably the most talked of Dahlia during the past season. Each, 50c.

SAGAMORE (D)—A golden color shaded towards the center with orange buff. An ideal cut flower on account of its keeping qualities. Each 50c.

BASHFUL GIANT (D)—One of the largest Dahlias produced. Apricot with golden shadings. Each 50c.

MARGARET WOODROW WILSON (D)—Face of petals cream white with a reverse pink. One of the choicest of new Dahlias. Each, 40c.

A. D. LIVONI (S)—A beautiful soft pink flower with quilled petals. Each, 35c.

JUDGE MAREAN (D)—An early and continuous bloomer with long, perfect stems. The color changes as the plant develops from a salmon pink, red, orange and yellow and gold. Each, 50c.

MRS. ELEANOR MARTIN (D)—The color is unique. A beautiful mulberry with golden suffusion. Flowers can be grown ten inches in diameter on stiff, long stems. Each, 75c.

ELKRIDGE (C)—A free bloomer, color glistening white. This took sweepstakes in the 1926 American Dahlia Society Show. Each, 75c.

POP STEWART (D)—A wonderful bloomer and good keeper. Color pure lilac pink. Each, 50c.

POMPON DAHLIAS

Under this head comes those small bouquet Dahlias that are so popular for cut flowers.

SNOWCLAD—The best pure white Pompon. Each, 35c.

AMBER QUEEN—Amber tinted salmon pink. Each, 35c.

RED PIPER—A bright scarlet. Each, 35c.

MISCELLANEOUS BULBS

TIGER LILIES—2 yr. old, each, 20c; per dozen, \$1.80; 3 yr. old, each, 50c.

LILY OF THE VALLEY—Each, 10c; per dozen, \$1.00.

TIGRIDIA—Mexican Tiger Flower. The flowers are 3 to 4 inches in diameter, and, though short-lived, are produced in succession during the whole season. The blossoms appears very early in the morning, and in dull weather will be bright nearly all day, but a few hours of sunshine destroy their beauty. The next morning, however, a new lot appears, and the dead is as gay as ever. Few flowers are more gorgeously colored or so beautiful. Each, 25c; postpaid, 35c; per dozen, \$2.75, not postpaid; per dozen, \$3.60, postpaid.

GLADIOLI BULBS

VERY LOW PRICES

The Ideal Flower for Cutting

Bulbs should be planted between April and May followed by a second planting after two weeks for succession of blooms. Set bulbs 2 to 4 inches deep and 2 inches apart in the drills. Beds do well planted 4 to 6 inches apart each way.

Dr. F. E. Bennett—A rich and deep orange scarlet. Each, 10c; doz., \$1.00.

Bengal Tiger—Mammoth flowers of brilliant mottled red. Each, 5c; doz., 50c.

Carmen Silva—A pure white with rich carmine throat. Considered by all the best form of white. Each, 6c; doz., 60c.

Evelyn Kirtland—One of the taller varieties. Color, frosted pink. Each, 6c; per doz., 60c.

Helga—One of the best rose pinks. Each, 5c; per doz., 50c.

Joe Coleman—A large rich ruffled red. Each, 7c; per doz., 75c.

Mrs. F. C. Peters—A rose lilac blotched with crimson. Each, 7c; per doz., 75c.

Mrs. Dr. Norton—A pure soft white with tips of petals La France pink. Each, 6c; per doz., 60c.

Mrs. John S. Woods—A new shade of Begonia rose. Each, 7c; per doz., 75c.

Prince of Wales—The best salmon pink. Each, 7c; per doz., 75c.

Romance—Beautiful blend of orange, salmon and rose with a throat of red and yellow. Each, 6c; per doz., 60c.

Scarlet Wonder—Mammoth flowers, clear deep scarlet. Each, 10c; per doz., \$1.00.

OUR OWN

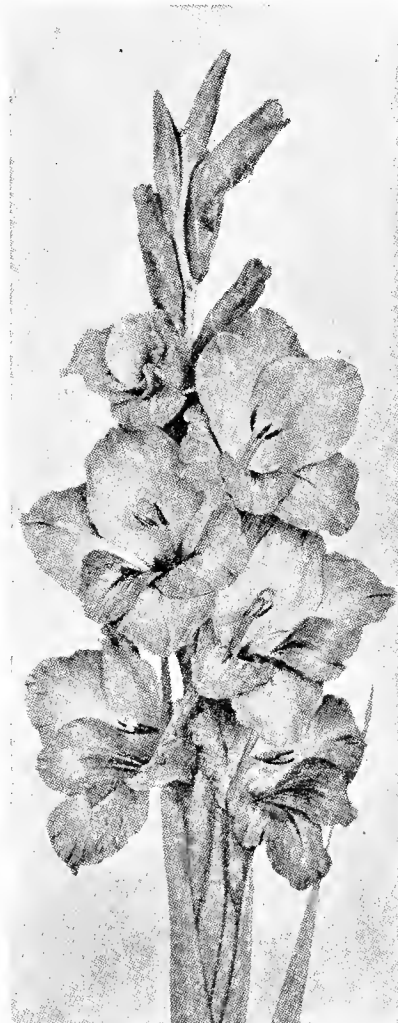
"X-L" GLADIOLI MIXTURE

Called by our customers, "The Aristocrat Gladioli Mixture." We have prepared this mixture for those who wish the best possible in Gladioli. Each sort a leader in its color and all prize winners. Nothing but firsts or the largest size bulbs used.

A wide variety of the newest colors so blended that your Gladioli bed will be the envy of your neighbor. Per doz., 60c; per 25, \$1.25; per 50, \$2.00; per 100, \$3.50, postpaid.

GRAHAM & ROSS SPECIAL GLADIOLI MIXTURE

All bulbs in this mixture are blooming size and from named varieties. No order for less than 50 accepted. 50 bulbs, \$1.00; postpaid, \$1.10.



"X-L" Gladioli "War"

Glad's are the best cut flowers. Plant continuously from May 15th to July 1st for succession of blooms.

Graham & Ross "X-L" Brand Lawn Seed

"X-L" SPECIAL LAWN MIXTURE

This blend is composed of heavy, re-cleaned seed, blended according to a formula proved in our 37 years of experience to be the best for permanent lawns in the northwest. Our blend produces a lawn that will endure.

Price per lb., 40c; 5 lbs., \$1.75, not postpaid.

Price per lb., 45c; 5 lbs., 2.00, postpaid.

"X-L" SHADY NOOK MIXED LAWN GRASS

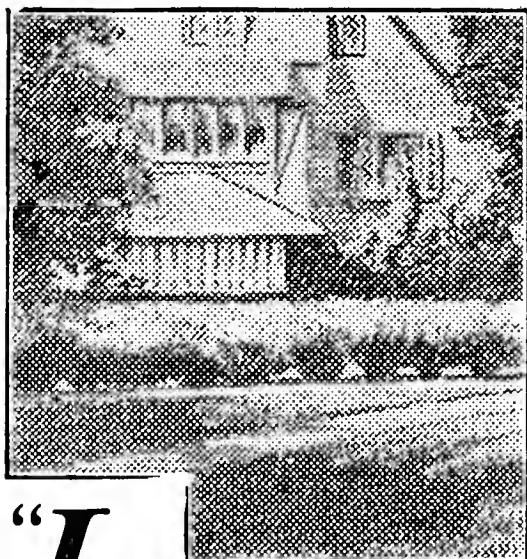
A mixture of fine grasses which will do well in the shade. Eliminate those bare places north of the house and under trees by using Shady Nook. 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50; 25 lbs. or more at 33c, not postpaid.

CREEPING BENT GRASS

Without question the best grass for putting greens. It spreads by means of runners and forms a heavy turf which smothers dandelions, crab grass and other weeds. It has done so well on golf greens that it is now being used for lawns also. One pound to 450 square feet. Not recommended for hot, dry section. Lb., \$1.00.

"X-L" KENTUCKY BLUE GRASS

The standard grass in America for lawns. Our "X-L" Brand is extra fancy sun cured seed, especially re-cleaned and of high germination. Price per lb., 30c; 5 lbs., \$1.25, not postpaid. Price per lb., 38c; 5 lbs., \$1.50, postpaid.



"Lawn

"With Vigoro our lawns have been thickly matted, a rich green all season," says W. L. Austin, head gardener, Frank O. Lowden Estate, Oregon, Ill. "Flowers were harder, heavily blossomed."

Typical of the success with Vigoro! Complete, balanced, it supplies all elements of plant food required for early growth, perfect development. Clean, odorless! Costs only 10c to 20c per 100 sq. ft. Sold where you buy lawn and garden supplies. Order today!

VIGORO

COMPLETE PLANT FOOD

A SWIFT & COMPANY product

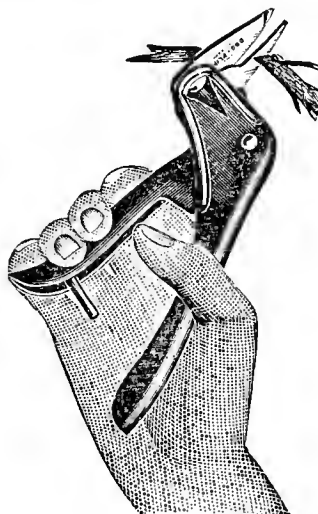
GARDEN and LAWN SUPPLIES



Hotkaps for Bigger Earlier Crops!

Only \$9.75 per 1000

See Page 12 for Details



The Doo-Klip Pruner

No. 150—A pruner that is different because it is fool proof. Amateurs prune without bruising the stalk because the blades are transposed from their ordinary arrangement. Cuts anything up to one-half inch in diameter. Price \$1.50 each.

Wooden Labels

Know your seeds after you have planted them. Price per 100, postpaid, 4 in., 35c; 5 in., 40c; 6 in., 45c.

Transplanting Hoe Trowels



73c

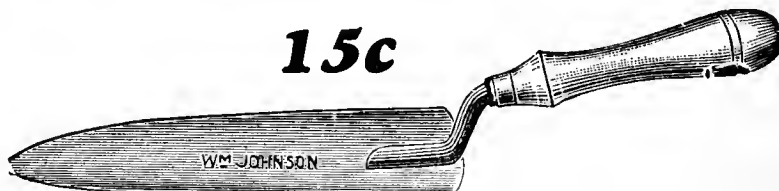
No market gardener should be without one of these. Will pay for itself many times in a season in the saving of work and time. Blade and shank one piece with well constructed handle. Each, 73c; postpaid, 80c.

Grass Shears

Standard Grass Sear with straight shank and narrow 6-inch blade. Black finish. No. 414, postpaid, 60c; each **49c**

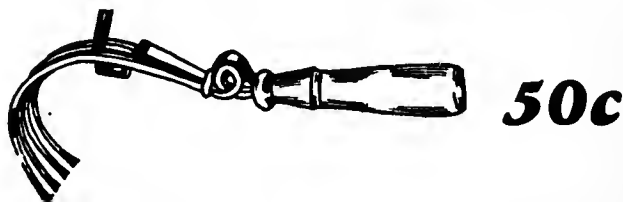
Ladies' Flower Trowel

15c



Every lady who works in the garden needs one of these trowels. Very well built and riveted by the new method which makes it stronger. Long and slender which makes it easier to handle. No. 216, each, 15c; postpaid, 20c.

Magic Combination Weeder

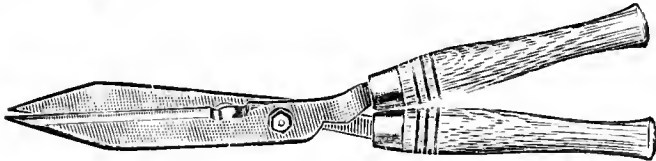


50c

A very handy tool for use around flowers and small vegetables. Destroys the weeds and leaves the earth about the roots without disturbing the roots themselves. The blade or weed cutter is very handy for cutting roots or making furrows. Price 50c each; postpaid 60c.

Hedge Shears

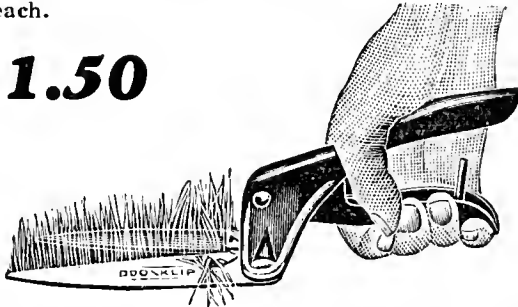
Superior quality hedge shears with forged steel blades and clear selected wood handles. Blades are secured to handles by rivets through the tang and ferrule. 8-inch serrated notched blade, weight 2 lbs. No. 421, each, \$2.60; add postage.



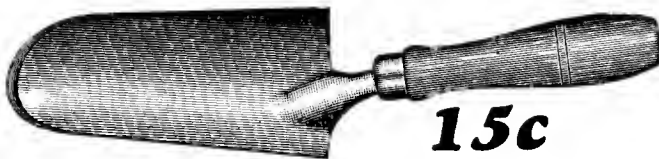
The Doo-Klip Grass Shear

No. 151A—Up and down moving handles prevent blisters, hand cramp, wrist tire, skinned knuckles and grass stains. Cuts all weights of grass without adjustments. Price, \$1.50 each.

\$1.50



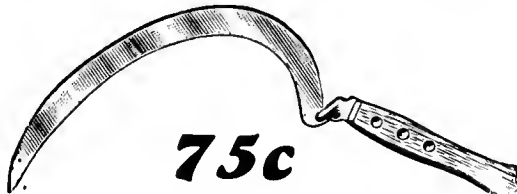
Economy Garden Trowels



15c

Heavy steel blade. No rivets, shellac handle. Just the thing for transplanting plants. 6-inch blade. Each, 15c; postpaid, 20c.

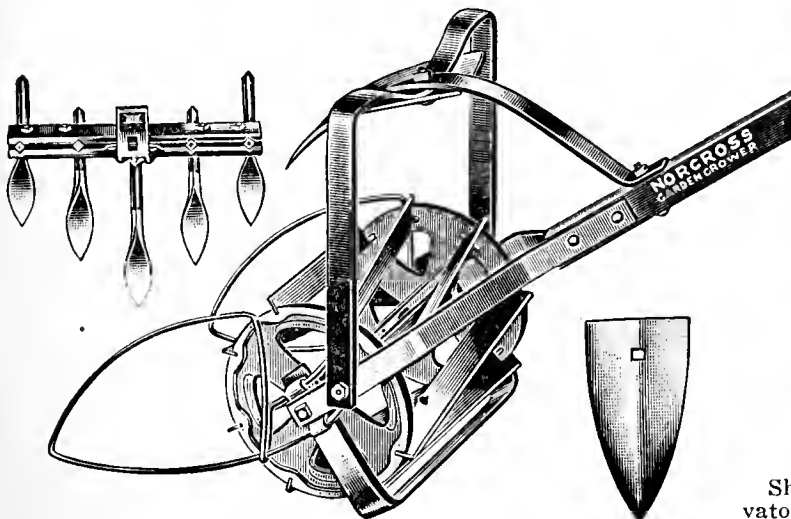
Forged Steel Grass Hooks



75c

Forged cutlery steel blade. Tempered ground and whetted to a sharp keen edge. Has a raised or off-set hardwood handle securely fastened. Perfect balance and swing. No. 427, each, 75c; postpaid, 85.

New Garden Grower



It Plows — It Weeds — It Cultivates — It Mulches

The very last word in garden implements. The new Norcross Garden Grower banishes the back-breaking drudgery and work of planting, weeding, cultivating, hoeing and mulching, by performing these operations in a quick, easy way without bending, kneeling, stooping, tugging or hard hoeing.

In addition to the mulcher, attachments are furnished for converting it into a practical cultivator and for marking out planting rows and general deep plowing. No. 10 cultivates a strip 10 inches wide. Weight 24 lbs. Each, \$7.50 F. O. B. Great Falls.

"Grip-Root" Weeder



A SIMPLE ONE-POINT TOOL OF PROVEN MERIT

Practical and inexpensive. It grips weed root inches under the ground in the same manner the human hand grips the weed at the ground surface, removing weed without destroying the sod. Each, 24; postpaid, 30.



All-Leather — DIRT-PROOF
SOFT AS KID — Extra Pliable

Ideal gloves for men and women, made from select imported leather processed to render it amazingly soft and pliable, as well as durable. Permit almost barehand freedom with perfect comfort, yet insure complete protection from dirt, scratches, bruises, stains. Economical—outwear 6 pairs of fabric gloves and are useful the year round for Garden, Housework, Painting, Yard, Furnace, Garage, etc.

WASHABLE!

Sizes for women: "Small," "Medium," "Large"—for men: "Medium," and "Large." Price, 75 cents a pair (2 pair, \$1.40), postpaid.

Makes a PERMANENT RECORD

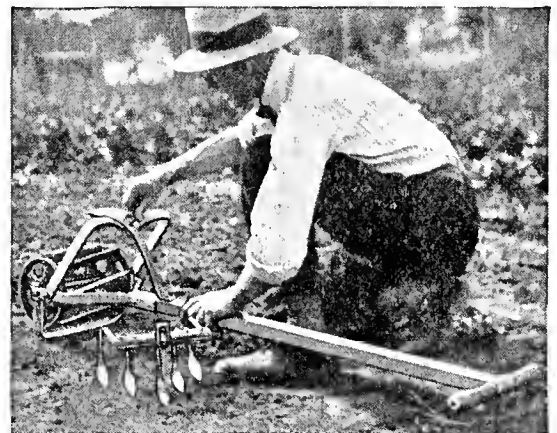


on your
**LABELS
AND STAKES**

The greatest improvement since lead pencils were invented. All weather proof

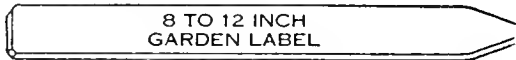
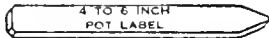
Perma-Marker

for writing on all plant labels. Will not rub off, will not wash off. Endorsed by leading growers everywhere. You cannot afford to use any other pencil. Each, 15c; 6 for 75c postpaid.



Showing operator removing hoe and attaching cultivator.

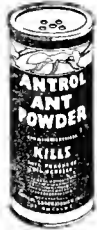
Perfect
Wood Labels



The perfectly white wood label, absolutely smooth and never requires paint.

Size	100	1,000
4 in.	45c	\$2.10
6 in.	55c	3.25
10 in.	\$1.25	6.75

Tree copper wire, 3½ in. 100, 55c; 1,000, \$3.10.



Kill Ants Quick

This new improved powder kills ants, roaches, silver fish and other pests quicker by actual test. Packed in handy shaker, twist-top can.

Recommended for quick temporary relief in apartments, camps, summer homes, etc. Price 2-oz. can 25c, postpaid, 30c.

Antrol Ant Powder

The Rip Sprinkler



- 1—Only one moving part.
- 2—Will not clog nor corrode.

- 3—Non-friction graphite bearings.
- 4—Runs on low water pressure.

Gives an even spread of water, in natural rain-like spray, over a wide area. Price \$1.00, postpaid.

2,880-HOUR NON-STOP RECORD

A Rip Sprinkler was run for 24 hours a day for Four Months WITHOUT STOPPING. At the end of this period it showed practically no wear.

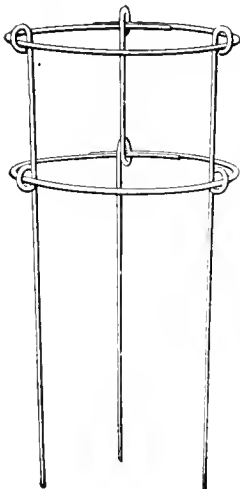
(The above time equals an average of about four years ordinary wear.)

Double Connection Type

For Connecting RIP Sprinklers in Series

Hose may be cut in 25-foot lengths and attached each side of sprinkler.

Thus four or five sprinklers may be operated at one time. Of same construction as the Spike Type Sprinkler. Price \$1.25 postpaid.



Peony and Plant
Supports

Are made of strong, galvanized wire, will not rust, very best support for peonies, tomatoes and such plants. Diameter 18 inches, height 30 inches; weight each 2½ lbs.

No.	Diameter	Height	Weight
824	16 in.	24 in.	2½ lbs.

Each 45c; ½ doz., \$2.50; 1 doz., \$4.50

No.	Diameter	Height	Weight
630	18 in.	30 in.	2½ lbs.

Each 50c; ½ doz., \$2.75; 1 doz., \$5.00

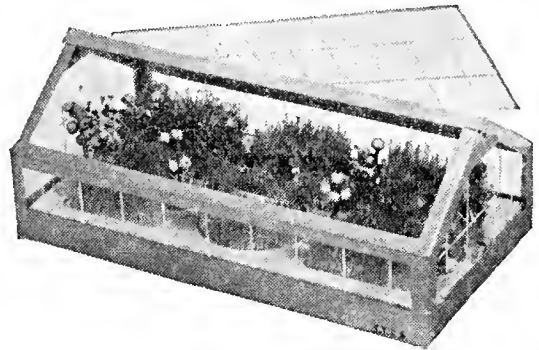
These must be shipped by express or freight.

Redwood Burhls

A new novelty that has become very popular for indoor decorating. These Burhls are cut from the Giant Redwoods of California. Simply place in a shallow bowl or dish of water. They soon commence to grow and form an attractive fern-like appearance. Last indefinitely. Full directions for growing furnished with each Burhl.

Size	Postpaid
2 oz. to 5 oz.	\$0.35
5 oz. to 8 oz.	.65
½ lb. to 2 lbs.	1.00
2 lbs. to 4 lbs.	1.50

Miniature Greenhouse



Constructed of glass with metal frame. Has two benches with 8 colored pots and a special patented GERM-O-NATOR bag for growing the plants. The pots and benches can be removed and the GREEN-HOUSE used to start flower seeds or garden seeds that can be taken out and transplanted. Six different kinds of seed with each house. Weight 4 lbs., each \$1.48. Add postage.

Fertilize as you sprinkle with the
JECTOR Fertilizing Nozzle



Takes the place of the regular garden hose nozzle. Applies any and all fertilizers and plant foods to lawns, gardens, trees and shrubs. The easy, rapid, safe way approved by fertilizer makers to apply their product evenly, properly and without danger of "burning." Simple to operate. Merely put any fertilizer in a bucket. Fill the bucket with water. Attach nozzle to garden hose. Drop suction tube into bucket of fertilizer solution and turn on the water. The JECTOR does the rest. Price, postpaid, \$1.00.

Fort Benton, Montana, Feb. 1, 1933.
Graham & Ross Co.,
Great Falls, Mont.

Gentlemen: Am I going to get one of your seed catalogs this spring? Last spring I ordered the "Cowboy Special" and I will say I've never had nicer vegetables. I've been in Montana 17 years and last year was the first time I've been able to raise big onions from seed. I often wonder how big they would have grown if the several hail storms hadn't knocked them down. All the vegetables had such good flavor too that I'd like to have your catalog pretty soon so I can study it evenings.

Sincerely,

Mrs. John Albers,
Fort Benton, Montana.



Burhls, after being placed in water

Burhls, before watering

FERTILIZERS

For Gardening Success



VIGORO

Complete plant food

Select good seed and plants, care for them properly, and feed them regularly with Vigoro, the complete balanced plant food.

Vigoro contains all of the food elements necessary to produce rich-green, velvety lawns; large, beautiful flowers; healthy,

full-foliaged shrubs and trees; and early delicious vegetables. Vigoro is "the square meal" for all plants.

Clean, odorless, and economical. Simple directions for using Vigoro on every bag or package. Used annually in 3,000,000 homes. We recommend it highly.

Price F. O. B.
Great Falls

100-lb. bags.....	\$5.00
50-lb. bags.....	3.00
25-lb. bags.....	1.75
5-lb. cartons .....	.50
12-oz. cartons.....	10c-18c postpaid

Anaconda Lawn and Garden Fertilizer

A special preparation containing a high proportion of Ammonium Phosphate. Especially adapted for fertilizing lawns, trees, shrubs and flowers. Quick acting, easy to apply and odorless. Per 100 lbs., \$5.50; 20 lbs., \$1.50; 10 lbs., \$1.00; 2 lbs., 25c. Add postage or freight.

TREBLE SUPER-PHOSPHATE—In Bulletin No. 240, published by the Agricultural Experiment Station of Bozeman, Montana, Professor Iver J. Nygard states that there is a phosphate deficiency in the soils of Montana. Tests were conducted using Treble Super-Phosphate and in eight sugarbeet fields used, increases in yield from more than 100 to 416 per cent were found. An ideal fertilizer for lawns and gardens. Prices: 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.50; 125 lb. bag, \$5.00; 3 or more 125 lb. bags, \$3.60 per bag. Add postage or freight.

AMMONIUM SULPHATE—A real fertilizer for farms, gardens, lawns, flowers and shrubs. Easy to apply, lasting, odorless, economical. Complete directions furnished with each package. Price: 10 lbs., \$1.00; 100 lbs., \$8.50.

My hobby is raising Sweet Peas and I am enclosing a photo of our Sweet Peas grown from your X-L Brand Seed last year. I have purchased seed from a large number of different seed houses but after trying all others yours proved to be the best. Mr. Geo. W. Hey, Great Falls, Montana

INSECTICIDES and FUNGICIDES FOR ALL PURPOSES



All prices F. O. B. Great Falls unless otherwise stated, prices subject to change. If wanted in larger quantities, write for special prices.



We are pleased to announce to our many customers that we have been appointed State Distributors for the Sherwin-Williams line of insecticides. Sherwin-Williams Company is the largest manufacturers of insecticides and fungicides in the world and you may rest assured when purchasing this brand that you are buying the highest grade of insecticides obtainable anywhere.

ALL ROUND SPRAY

A product for the complete control of all leaf eating insects and fungus diseases that may attack any form of foliage. Per ¼ lb. can, 40c.



PARIS GREEN

The old reliable and sure kill for potatoe bugs. ¼ lb., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00. Larger lots quoted on request.

ARSENATE OF LEAD—Due to its adhesive qualities, it is rapidly coming to the front as a spray for potatoe. ½ lb., 20c; 1 lb., 35c; 4 lb. bag, 75c. Write for prices in larger quantities.

BORDEAUX MIXTURE—A sure remedy against fungus diseases such as rust, blight, mildew, etc. Per lb., 40c.

LONDON PURPLE—One of the best and strongest insecticides for potatoe spraying. ¼ lb., 15c; 1 lb., 35c.

FISH or WHALE OIL SOAP—Valuable for rose bushes as a wash and used to kill eggs and scale on plants and trees. 1 lb., 40c; postpaid, 45c.

GARDEN GUARD—Ideal for use on cabbage, cauliflower, tomatoe plants and currants in addition to other vegetables, flowers and shrubs. Easy to apply, non-poisonous to humans but sure death to all forms of insects. Per lb., 30c, postpaid.

P. A. C. FORMALDEHYDE—Used for preventing smut on oats, wheat, barley and rye and for the prevention of scab on potatoe. Per lb. can, 35c. Add postage.

For Aphis (Or Plant Lice)

Use Black Leaf "40". Full directions furnished. Trial bottle, enough to make six gallons of spray, 35c; postpaid, 40c.



Prevent Smut— Use Coppercarb

The new, safe and economical treatment for preventing smut.

COPPERCARB, 18% to 20%—Recommended for spring grain. Per 5 lb. pkg., 95c; per case, 50 lbs., \$8.50. Add postage.

COPPERCARB, 50% to 52%—Recommended for fall wheat. Per 5 lb. pkg., \$1.50; per case 50 lbs., \$12.50. Add postage.

Kill Garden Pests

Cutworms, Sowbugs, Grasshoppers, Slugs, Snails

Earwigs, Etc., Are Quickly Exterminated

Snarol is a ready-prepared meal that you simply broadcast on the ground, under the vegetation,

It will not deteriorate from rain or sprinkling. Thus it lasts longer and is more economical. It is non-injurious to vegetation. Prices, 1½-pound pkgs., 35c; 4-pound pkgs., 85c. Add postage.



SNAROL

Use **EVER GREEN**
NON-POISONOUS INSECTICIDE to
PROTECT YOUR GARDEN

The new effective insecticide. Kills every insect that the home gardener is likely to encounter. Absolutely NON-POISONOUS to humans, animals and birds. Price per bottle, 40c, postpaid.

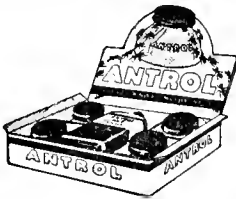
Kill Ants in the Nest!

Antrol is easy to use, economical, and safe around children and pets. Consists of small glass containers from which the worker ants carry special Antrol Syrup to their nests for food. The whole ant family is quickly killed at the source—the only way to get permanent freedom from these pests.

Antrol containers are practically unbreakable glass, with rust-proof, water-proof aluminum lids. Control both sweet and grease-eating ants.

Prices: Antrol Sets, 75c; postpaid, 85c.
Extra Syrup, 4 oz. bottle, 35c; postpaid, 42c. Pint bottles, 85c; postpaid, 95c.

ANTROL

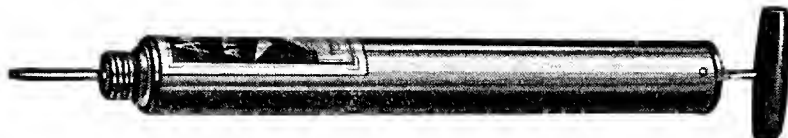


Cyanogas

Will kill Ants, Ground Hogs, Prairie Dogs, Rats, Mice, Bed Bugs, Gophers and Cockroaches. Complete directions furnished with each can. Easy to use and effective.

Size	Wt.	Price
5 lb. can	5 lbs.	\$1.75
25 lb. can	25 lbs.	6.35

Add Postage.



Diamond G Jr. Duster

A handy size for use around the house. Can also be used for dusting vegetables. Each, 60c, postpaid.

Diamond G Small Sprayer

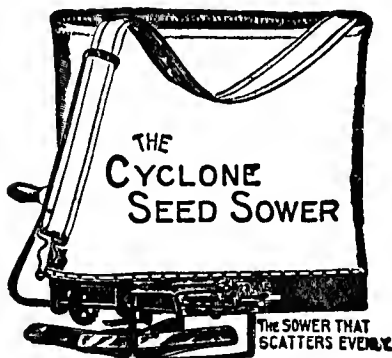
Capacity about $\frac{3}{4}$ of a pint. A small satisfactory sprayer that will handle all insecticides and disinfectants.

No.	Wt.	Price
202	1 lb.	\$0.30

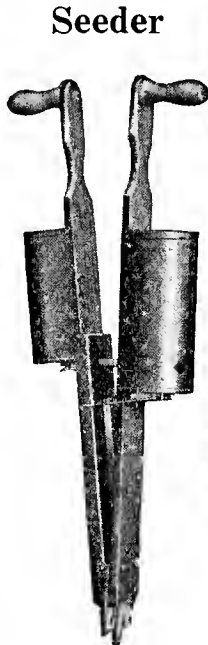
Diamond G Household Sprayer

Particularly designed for household uses. Can be detached for convenient filling.

No.	Wt.	Price
F2	$\frac{1}{2}$ lb.	\$0.15



Improved Cyclone Seeder



Guaranteed to sow perfectly any seed such as clover, timothy, millet, alfalfa, rape, wheat and oats. Nothing to get out of order. Each, \$2.25, postpaid.

Acme Corn Planter with Fertilizer Attachment

Made with the famous two-hand slide type. Plant your corn and at the same time fertilize each hill with this new planter. Each, \$2.35; postpaid, \$2.50.



Compressed Air Sprayer

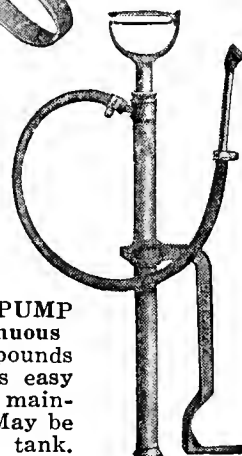
This type of sprayer is the most popular for all general work. Tank of heavy galvanized iron. Side walls closely riveted and soldered. Pump is made of heavy seamless brass tubing with automatic check valve. Will last a lifetime. Furnished with extra spraying discs and long extension tubing.

No.	Wt.	Price
225	12 lbs.	\$4.50

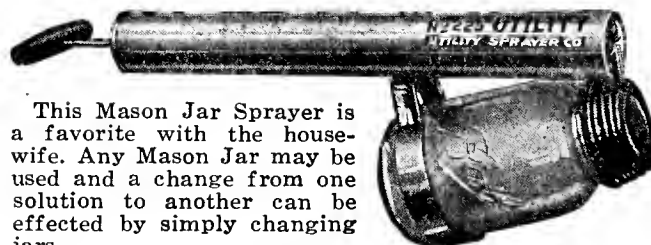
No. 112 Utility Bucket Pump

NO. 112 UTILITY BUCKET PUMP

Is Double Acting and Continuous. It will develop about 150 pounds nozzle pressure. The action is easy and a high pressure may be maintained with but little effort. May be used in any bucket or small tank. Weight, 9 lbs.; Price, \$1.95.



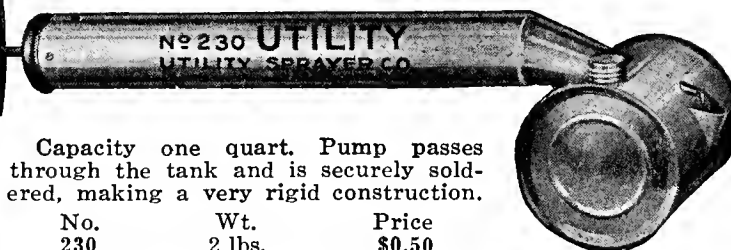
Mason Jar Sprayer



This Mason Jar Sprayer is a favorite with the housewife. Any Mason Jar may be used and a change from one solution to another can be effected by simply changing jars.

No.	Wt.	Price
225	3 lbs.	\$0.65

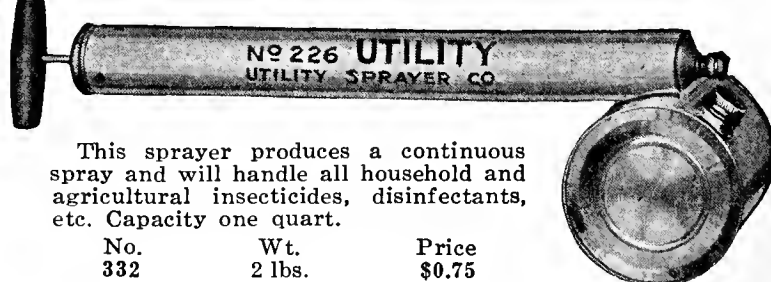
Diamond G Special Sprayer



Capacity one quart. Pump passes through the tank and is securely soldered, making a very rigid construction.

No.	Wt.	Price
230	2 lbs.	\$0.50

Diamond G Continuous Sprayer



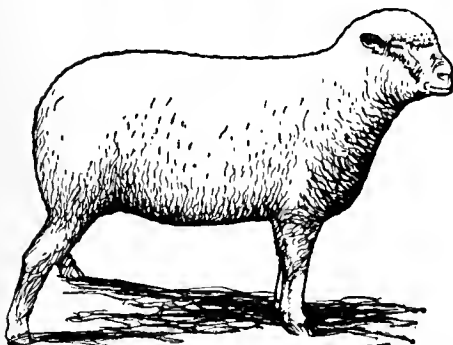
This sprayer produces a continuous spray and will handle all household and agricultural insecticides, disinfectants, etc. Capacity one quart.

No.	Wt.	Price
332	2 lbs.	\$0.75

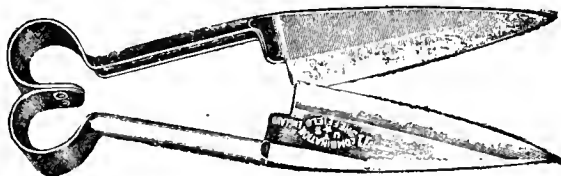


MOUSE SEED. The most satisfactory mouse exterminator ever sold. A natural treated seed which attracts the mice. They chew out the inside kernels and thirst then drives them out to die. No baits, no traps, no muss. "A saucer and seed is all you need." 25c per package.

Postpaid 29c



SHEEP SHEARS—T. U. S. Combination
Double Bow Pattern; Each Blade, Shank and Half-Bow Forged from One Piece of Highest Grade Crucible Steel; Carefully Ground and Sharpened Blades, with Swaged Back. Made of Sheffield Steel. Length of Blades, 6½ in. Each, \$2.60, postpaid.



KEMP'S BRANDING PAINT

Used and endorsed by over three-fourths of the Sheepmen in the United States. Guaranteed to satisfy.

Black\$2.25 per gal.
Red 2.25 per gal.
Green 2.35 per gal.

Weight, 8 lbs., add postage.

Write for prices in larger quantities.



INOCULATE ALL LEGUMES WITH
NITRAGIN
The Original Legume Inoculator

When ordering, always specify kind of seed.

Alfalfa, All Clovers	
Size	Retail
½ bu.	\$.50
1 bu. ....	.90
5 bu.	4.00
Peas, Vetch, Beans, Austrian Winter Peas	
Size	Retail
½ bu.	\$.40
1 bu. ....	.60
1½ bu. ....	.90
5 bu.	2.50

*"100 lb. size." Packed only for Vetch and Aust. Pea.

Leads in High Germ Count Dated — Fresh Each ear

INOCULATOR PRICES

Soy Beans, Cow Peas Lespedeza (Hulled)

Size	Retail
1 bu.	\$.40
2 bu. ....	.70
5 bu.	1.50
10 bu.	2.50

Garden NITRAGIN for Peas, Beans, Sweet Peas

Inoculates from 1 oz. to 8 lbs. seed, Price 25c

SEME SAN MAKES SEEDS HEALTHY

Protect your potatoes with the new, improved Semesan Bel. Costs but 2c per bushel. Easily and quickly applied. Mix one pound with 7½ gal. of water, dip your seed potatoes, drain and plant. Prices: 4 oz., 50c; 1 lb., \$1.75; 5 lbs., \$8.00, postpaid.

MORE VEGETABLES AND BETTER FLOWERS Through controlling diseases with Semesan

Destroys diseases on the seed and protects them from rots in the soil. Recommended especially for seeds, bulbs, gladiolus, dahlia tubers and rose bushes. One ounce treats 15 to 30 pounds of seed. Prices: 2 oz. can, 50c; 1 lb., \$2.75, postpaid.

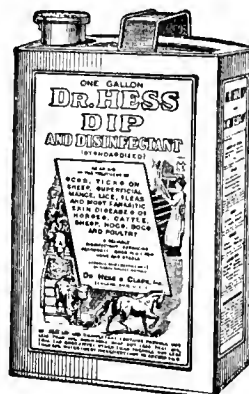
SHEEPMEN'S SUPPLIES

SHEEP SHEARS—B. & B.

Double Bow Pattern; Each Blade, Shank and Half-Bow Forged from One Solid Piece of Highest Grade Crucible Steel; Spring Tempered, Hollow Ground, Carefully Tempered. Made of Sheffield Steel. Length of Blades, 7 in. Each, \$2.75, postpaid.

ATTENTION: TO BUYERS OF WOOL BAGS

We have made arrangements to purchase a full car of Wool Bags and will be in position to furnish you with any quantity at attractive prices. Write for our prices before making your purchase.



SHEEP DIP AT MONEY SAVING PRICES

We can furnish any of the standard brands of sheep dip, such as Cooper's, Lee's or Dr. Hess. Write for special prices on any amount from one gallon to fifty-gallon bbls.

Buy Acclimated Nursery Stock

Choose your Nursery Stock with care and remember that quality is of the greatest importance. We do not send out agents, but we sell direct through our catalog. Our method of selling saves the high cost of house-to-house canvass and enables us to offer the very best stock at very low prices.

TERMS—Our terms as for seed orders are cash with order. No order for nursery stock will be sent out C. O. D. unless a deposit of 25% of the entire amount is included at time order is mailed. Prices include packing in a first class manner and delivery to express office or freight depot, but the transportation must be paid by the purchaser (unless "postpaid" is mentioned in the price).

HARDY ORNAMENTAL TREES

AMERICAN WHITE ASH—A tall rapid grower, valuable for street and parks. The best hard wood tree for Montana.

6 to 8 feet	\$ 1.25
10 trees	10.00
8 to 10 feet	2.00
10 trees	18.00

EUROPEAN MOUNTAIN ASH—Noted for its extreme hardiness and beauty. Covered from July to mid-winter with bunches of bright scarlet berries.

5 to 6 feet	\$ 1.50
10 trees	12.00
6 to 8 feet	1.75
10 trees	15.00

GREEN ASH—Especially valuable for planting in high altitudes and dry, cold climates. Succeeds very well.

6 to 8 feet	\$ 1.25
10 trees	10.00

WHITE BIRCH—A very rapid growing species of the Birch family, its paper bark becoming very white as it attains age. 4 to 5 feet, \$3.00.

CUT LEAF BIRCH—The silver white bark and delicately cut foliage presents a combination of attractive characteristics rarely found in a single tree. Each, 5 to 6 feet, \$3.50.

BOX ELDER—Very hardy and a good drought resister. A large spreading tree of rapid growth.

5 to 6 feet	\$ 0.90
10 trees	7.50
6 to 8 feet	1.10
10 trees	9.50

ELM (AMERICAN)—A tree of great size and wide spread with graceful drooping branches and handsome leaves.

6 to 8 feet	\$ 1.25
10 trees	10.00

ELM (CHINESE)—Will give luxuriant shade in five years. Stands more drought than any other tree known. A tree of rare beauty. Its dense dark green foliage with delicate spray similar to the Cut Leaf Birch.

5 to 6 feet	\$ 1.50
10 trees	12.50

POPLARS (CANADIAN)—The most popular tree planted in the Northwest. Used wherever quick shade is required.

4 to 5 feet	\$ 0.60
10 trees	5.00
6 to 8 feet	1.25
10 trees	10.00

POPLARS (BALM OF GILEAD)—Very hardy and does extremely well on the open prairies of Montana. A remarkable rapid growing tree.

5 to 6 feet	\$ 0.90
10 trees	7.50

GOLDEN WILLOW—A pure golden color extremely hardy, and is ideal when used as a specimen tree.

4 to 5 feet	\$ 0.50
10 trees	4.00
6 to 8 feet	1.00
10 trees	9.00

LAUREL LVD. WILLOW—A splendid ornamental tree with large glossy dark leaves.

6 to 8 feet	\$ 1.25
10 trees	10.00

EVERGREENS

All Evergreens are balled and burlapped for shipping. In planting, it is not necessary to remove the burlap.

PLANT EVERGREENS FOR YEAR-ROUND EFFECTS

COLORADO BLUE SPRUCE—The most beautiful and striking of the Spruce family. Foliage a rich blue.

2 to 2½ feet	\$10.00
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BLACK HILLS SPRUCE—The hardiest of all spruce, compact and bushy in habit of growth, will bear shearing or cutting well.

2½ to 3 feet	\$5.00
3½ to 4 feet	9.00

PINES (AUSTRALIAN)—Sometimes called the Black Pine on account of the massive dark and rich greens of the pines. Noted for its fast growth.

2 to 3 feet	\$4.00
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MUGHO PINE—This variety is ideal for border plantings and foundation work, never grows over three feet tall, but spreads out 6 to 8 feet in diameter.

15 to 18 inch	\$4.00
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JUNIPER (PFITZERIANA)—Used for foundation planting on the north side of buildings. Shape and size may be readily controlled by shearing.

1½ to 2 feet	\$4.00
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JUNIPER (VIRGINIANA)—Sometimes called Red Cedar. Makes an excellent pyramidal tree if kept sheared. Upright with deep green foliage, sometimes silver. Can be sheared into any form desired.

2 to 3 feet	\$6.00
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"X-L" Colorado Blue Spruce
Proper packing at our nursery means receiving trees and shrubs that are not checked in growth.

ARBOR VITAE

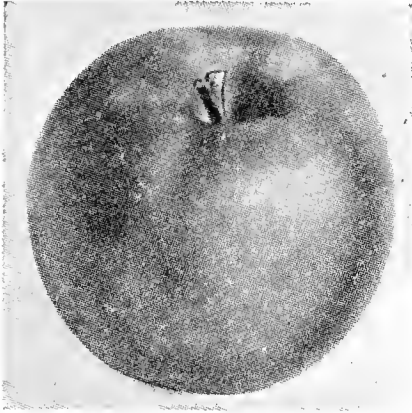
PYRAMIDALIS—Broad at the base, tapering to the top. Splendid for formal planting. Bright green color the year around.

2 to 3 feet	\$4.00
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AMERICAN ARBOR VITAE—Sometimes termed the white cedar. A well known hardy pyramidal tree with broad leaves.

12 to 18 inches	\$2.50
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FRUIT TREES



"X-L"

McIntosh Apples.
Raise crisp, juicy
fruit in your own
yard.

APPLES

WEALTHY—Without doubt the leading winter variety for the Northwest. Fruit large, deep crimson, of the highest quality.

McINTOSH RED—A good bearer of handsome fruit of medium size nearly covered with red.

YELLOW TRANSPARENT—One of the earliest and best. Grows rapidly, bears young, and is a real money maker.

DUCHESS OF OLDENBURG—One of the best varieties and most profitable yet introduced for our north-western climate. Fruit streaked with red on a golden or yellow background.

Prices on above varieties: 5 to 6 feet, 75c; 10 trees, \$6.00.

CRAB APPLES

TRANSCENDENT—Very early bearer of juicy fruit. A very strong grower, bearing the second year.

WHITNEY—Very hardy and good both for cooking and eating. Flesh firm, juicy and pleasant.

RED SIBERIAN—One of the hardest Crab Apples yet introduced. Bears immense crops of delicious fruit.

Prices of above varieties: 5 to 6 feet, 75c; 10 trees, \$6.00.

CHERRIES

EARLY RICHMOND—A dependable variety which seldom misses a crop. Medium dark red, melting, juicy, sprightly, rich acid, and one of the best.

MONTMORENCY—We consider this variety the most productive for the Northwest. Fruit large, red, productive and about ten days later than Early Richmond.

Prices on above varieties: Each, \$1.00; 10, \$8.50.

GOOSEBERRIES

Set 3 to 4 feet apart, in good rich soil and give a good application of fertilizer yearly. A yearly pruning is essential.

CHAMPION—Fruit medium to large with exceptional quality. A remarkable bearer, not known to mildew.

CARRIE—Strong, upright, hardy, healthy, easily picked, good size, flesh tender and juicy. Bears fruit the next year after transplanting. 2-year-old No. 1.

Price on above varieties: Each, 40c; per 10, \$3.00.

GRAPES

BETA—One of the hardest and well adapted for the Northwest. Each, 50c, postpaid.

CONCORD—The leading and home garden variety. Can always be depended upon for the main crop. Each, 50c, postpaid.

PLUMS

OPATA—Tree vigorous, fruit dark purplish red, flesh green, quality delicious, pit small, season early. Fruits second year after planting.

WANETA—Bears young, fruit is not only large and attractive, but has a delicious flavor. Hardy anywhere in the northern states and considered the most delicious of all plums.

Prices on above varieties: Each, \$1.00; per 10, \$8.50.

CURRANTS

PERFECTION—Beautiful, bright red, fruit holding its large size to end of bunch; easy to pick, a superior bearer, less acid and of better quality than any other large currant in cultivation. 2-year-old bushes. Each, 40c; per 10, \$3.00.

RASPBERRIES

LATHAM—This remarkable and very desirable new variety is perfectly hardy, withstanding our cold north-west winters without protection. Berries are large and round, color a brilliant red.

ST. REGIS—Fruit commences to ripen with the earliest and continuing on young canes until October. Many quarts often being picked after the first snowfall. Perhaps the best known of the ever-bearing type.

Price on Raspberries: Per 10, 85c, postpaid.



They look good but taste better. Enjoy juicy mastodon strawberries fresh from your own berry patch. X-L Mastodons are the largest and best.

STRAWBERRIES

MASTODON—This new variety is the last word in strawberry and outranks all predecessors. It is of immense size and also creditable cropper, of choice quality and the strongest grower yet developed.

50 for	\$1.40
100 for	2.75
500 for	9.00
25 at one-half the 50 price.	

No order for less than 25 accepted.

PROGRESSIVE—A strong, upright grower and great drought resister. Fruits abundantly about three months after plants are set and continues until after fall.

50 for	\$1.00
100 for	1.80
500 for	8.00
25 at one-half the 50 price.	

No order for less than 25 accepted.

SHRUBS

BARBERRY—Thunbergi (Japan Barberry)—One of the hardest of shrubs. It is very dense and low growing, the leaves are small, light green and towards fall assume brilliant colors of red, orange and yellow. The berries becoming scarlet. 2½ to 3 feet. Each, 85c.

BUTTERFLY BUSH (Summer Lilac)—Blossoms continuously from July until severe frost, 4 to 8 feet high, with lilac colored, fragrant flowers. Blossoms freely the first season. No. 1. Each, 75c.

BUCKTHORN—A quick growing hardy shrub. An ideal hedging plant in the north. May be sheared to any desired shape: 3 to 4 ft. Each, 75c.

GOLDEN ELDER—A hardy, rapid growing shrub with outstanding yellow foliage. 2 to 3 ft. Each, 60c.

HIGH BUSH CRANBERRY—Both ornamental and useful where a high decorative tall growing shrub is desired. 2 to 3 feet. Each, 75c.

HONEYSUCKLE (Tartarian Pink)—This bush will succeed anywhere as it is absolutely hardy and free flowering. During the spring it is covered with pink and white flowers and is a very rapid grower. 2 to 3 ft. Each, 60c.

LILAC (Common Purple)—One of the most popular of all shrubs, excellent for specimen purposes or for hedge use. Each, 2 to 3 ft., 50c; 3 to 4 ft., 75c.

LILAC (White)—Taller and more slender than the purple variety. 2 to 3 ft. Each, 75c.

PERSIAN LILAC—Dwarf growing and with slender branches and narrow leaves; a choice foundation subject. 2 to 3 feet. Each, 75c.

PLUM, FLOWERING (Prunus Triloba)—One of the finest and hardest of early spring blooming shrubs. Flowers double and of a beautiful light pink shade. 2 to 3 ft. Each, \$1.00.



"X-L" Spirea Van Houttii.
A free blooming acclimated
shrub from our nursery.

STAGHORN SUMAC—A rapid grower with large fern-like leaves which gives the bush a tropical appearance. Should be cut back severely in the spring. 2 to 3 feet. Each, 75c.

VIBURNUM OPULUS (Snowball or Gulder Rose)—The common snowball which helps out so bravely for Decoration Day with its lovely white bloom. One of the hardiest of all shrubs. 2 to 3 ft. Each, 75c.
(If Shrubs Wanted by Parcel Post, Add 25c to the Prices Quoted.)

SHRUBS

(Continued)

SPIREA VAN HOUTTI

Sometimes called bridal wreath. Without doubt the best of all spireas; a fountain of pure white, bloom in May and June. The foliage and bush shape is ornamental the year around. Each, 2 to 3 ft., 50c; 3 to 4 ft., 75c.

SPIREA ANTHONY WATERER

Dwarf, bushy, of spreading type. This is one of the few good showy red flowered shrubs, sufficiently dwarf to be used in foundation planting. 2 to 3 ft. Each, 75c.

HEDGES



"X-L" Russian Olive—A quick growing compact fence.

BUCKTHORN—A dense bush 6 to 10 ft. high with dark foliage relieved by masses of attractive white flowers in June and July, makes a good prunable hedge. 18 to 24 inches. Each, 20c; 10, \$1.75; 100, \$15.00. 3 to 4 ft., each, 75c; 10, \$4.00; 100, \$30.00.

CARAGANA—Noted as a great drought resister, and recommended to our farmers for wind-break purposes, also as a specimen tree or shrub planting. 18 to 24 inches. Each, 20c; 10, \$1.70; 100, \$10.00.

HONEYSUCKLE (Pink Tartarian)—Description under shrub section. Size 18 to 24 inches. Each, 20c; 10, \$1.75; 100, \$15.00.

RUSSIAN OLIVE—A very fast grower, and succeeds exceedingly well in dry sections. Makes a splendid protecting hedge. 18 to 24 in. Each, 10c; 10, 80c; 100, \$7.00.

HANDY ORNAMENTAL VINES

CLEMATIS JACKMANI—The most beautiful flowering climber for the north, blooms four inches in diameter and a deep purple, succeeds well in rich soil and plenty of sun, furnished potted for easy transplanting. Each, \$1.25; postpaid, \$1.50.

CINNAMON—This climber is properly named as it gives off a delicious cinnamon odor. Very hardy, the stem dying down every autumn, but growing again so rapidly as to cover any trellis early in the season. One year old. Each, 15c; per doz., \$1.50.

BOSTON IVY—This is one of the finest hardy climb-

ers we have for covering walls, as it clings firmly to the smoothest surface, color deep green in summer, changing to the brightest shades of crimson and yellow in autumn. Two-year-old plants. Each, \$1.00; postpaid, \$1.25.

MADEIRA VINE—Sometimes called the Mignonette Vine. It is of rapid growth and is fine for porches and outdoor hanging boxes. Perennial, but take up roots in fall as the plant will not endure frost. One-year-old plants. Each, 15c; per doz., \$1.50.

VIRGINIA CREEPER—Fine for covering trees, rocky slopes, walls, etc., foliage a rich, dark green which turns to a beautiful yellow or crimson in the fall. Large plants. Each, 75c; postpaid, \$1.00.

varieties that will
bloom this year

ROSES

good, strong plants with
well developed roots

We endeavor to list only those roses that are hardy enough for Montana. All varieties have been proven in our nursery to be satisfactory bloomers for this section.

PRICES—1 bush, \$1.25; 3 bushes, \$3.00.

All bushes are sturdy, two-year-old plants that will bloom the first season. If wanted by parcel post, add 15c per plant.



"X-L" Rose Prairie King.
The best rose for Montana.

LADY HILLINGDON—A splendid new yellow variety, one of the best for cut flowers; color deep apricot yellow, varying to orange.

PRAIRIE KING

The easiest rose to grow, extremely free flowering, with intense depth and richness of color, its color of crimson red and reddish green stems and foliage makes it one of the showiest garden types.

LOS ANGELES

One of the grandest all-round roses ever put on the market, flowers large and continuous in color, a flame pink, toned with coral and shaded with gold at the base of the petals.

HARRISON YELLOW

Bright golden yellow. Free bloomer and by far the hardiest yellow rose.

PAUL NEYRON—One of the finest hardy roses ever grown, blooms from June to November on long, smooth, thornless stems, furnishing a vast quantity of flowers four to six inches across, colors a bright ruddy pink.

PINK RADIUS—Extra hardy and vigorous. One of the best all-round garden roses. Its color is a beautiful blending of carmen rose with shades of opal and copper.

CLIMBING ROSES

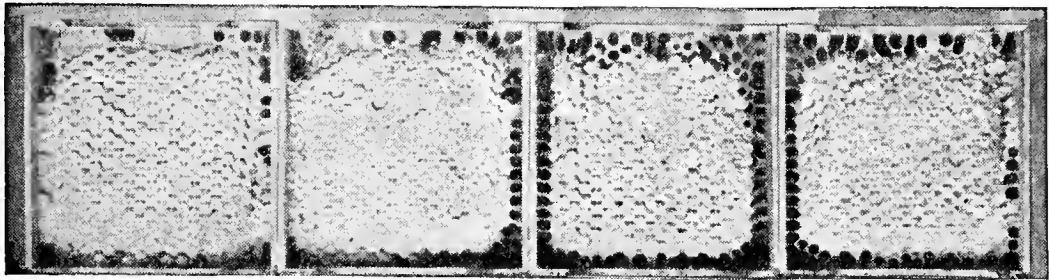
CLIMBING PRAIRIE KING—Carries the same general characteristics as the dwarf Prairie King, but has the advantages of being a climber. Each, \$1.25; 3 for \$3.00.

Insects and diseases kill many rose plants each season. Protect your plants by using All Around Spray. See page for description.

CLIMBING AMERICAN BEAUTY—This climbing form of the famous pink rose so long the American favorite for cutting is as lovely and fragrant and deeply pink as the bush form. A continuous bloomer, vigorous climber and extremely hardy. Each, \$1.25; 3 for \$3.00.

GRAHAM & ROSS ROSE SPECIAL

Two of each of the above named six varieties or a total of twelve roses for \$10.00, postpaid.



BEE SUPPLIES

If sweet clove, alfalfa or flowers are available, you should have at least one hive of bees. There is very little expense connected with bee keeping and it provides not only honey for home use but even a single hive will provide a source of income as it is always easy to dispose of extracted or comb honey to the grocery stores and to individual users.



WE SELL Bee Supplies manufactured by the A. I. Root Company, which is the largest concern engaged in making materials of this sort and is the oldest and best established of all bee supply companies.

WRITE FOR SEPARATE BEE SUPPLY CATALOG

STANDARD HIVES

Bodies made of selected clear white pine, accurately lock-corned. Hand Holds on four sides. Heavy metal Frame Supports. Frames double-notched and locked. Metal covers fitted to prevent any possible leaking. Bottom Boards high grade full thickness cypress, will not rot. Hive complete with Frames, Covers, etc. (No Foundation.)

Each, \$2.95 F.O.B. Great Falls, Shipping weight, 30 lbs.
Five Hives, \$12.70 F.O.B. Factory at Council Bluffs, Iowa.

SUPERS

For Extracted Honey

10-Frame, shallow depth, made of the same quality material as the Standard Hives.

	Catalog No.	Wt.	Price
Single Super, no frames	22527	5 lbs.	\$0.65 f.o.b. Gt. F.
Single Hive with frames	22522	9 lbs.	1.10 f.o.b. Gt. F.
Five Supers, no frames	22528	28 lbs.	2.30 f.o.b. Factory
Five Supers with frames	22523	39 lbs.	3.90 f.o.b. Factory

SUPERS

For Comb Honey

(For 4 1/4 x 4 1/4 x 1 3/4 Sections)

	Catalog No.	Wt.	Price
One Section Super Empty	22547	5 lbs.	\$0.60 f.o.b. Gt. F.
Five Section Super Empty	22533	35 lbs.	5.40 f.o.b. Factory

FRAMES

Made from clear select pine. Do not break or get wobbly, because all corners are double locked.

Catalogue No.	Per 10	Per 50	Per 100	Per cwt.	Weight
2910 Standard Frame, 9 1/8 x 17 5/8	\$0.70	\$2.90	\$5.00	46 lbs.	
2920 Regular shallow extracting frames, depth 5 3/8	.60	2.45	3.85	26 lbs.	
2940 Shallow extracting frames with regular Hoffmantop-bar	.70	2.70	4.85	38 lbs.	

Above Prices F. O. B. Great Falls

SECTIONS

Save Money—Buy Root Sections

Thousands are folded without breaking one

No. 1 Grade—4 1/4 x 1 3/4

Quantity	Catalog No.	Price	Shipping Weight
100	2440	\$1.20	8 lbs.
250	2441	2.80	17 lbs.
500	2442	5.40	31 lbs.

SMOKERS

Long Service Means Low Cost

	Price	Shipping Weight
JUNIOR—For a low price and a few colonies	\$0.80	2 lbs.
STANDARD—For lightness, perfect efficiency and low price	1.05	2 lbs.
JUMBO—Double Capacity of Standard	1.25	3 lbs.

FOUNDATIONS

THREE-PLY FOUNDATION—For Brood and Extract-Combs. Just slip Foundation into Top-Bar. No nailing or wedge when wires are imbedded properly.

Cat. No.	Price	Weight
5000 10 Sheets	\$1.00	3 lbs.
5003 50 Sheets	4.40	9 lbs.

SINGLE-PLY AIRCO—For Brood and Extracting Combs.

For Standard Frames (Medium Brood; sheets 8x16 3/4; 8 to lb.)

Cat. No.	Price	Weight
5110 10 Sheets	\$0.85	3 lbs.
5113 50 Sheets	3.75	8 lbs.

For Shallow Frames (Medium Brood; sheets 4 1/2 x 16 3/4; 14 to lb.)

Cat. No.	Price	Weight
5120 10 Sheets	\$0.55	2 lbs.
5123 50 Sheets	2.25	5 lbs.

For Shallow Frames (Light Brood; sheets 4 1/2 x 16 3/4; 17 to lb.)

Cat. No.	Price	Weight
5220 10 Sheets	\$0.45	2 lbs.
5223 50 Sheets	1.90	4 lbs.

THIN SUPER AIRCO—For 4 1/4 x 4 1/4 Section. Split, 4 1/8 x 17 1/4, approximately 23 sheets to the pound.

Cat. No.	Price	Weight
5341 1-lb. Carton	\$0.75	2 lbs.
5343 5-lb. Carton	3.50	7 lbs.

QUEEN-EXCLUDERS

With its wood rim and locked corners it is the strongest Queen-Excluder made.

Cat. No.	Price	Shipping Weight
4242 10-Frame Standard Queen-Excluder	\$0.70 ea.	4 lbs.

DOUBLE BEE-ESCAPE

Each, 20c, postpaid.

INNER COVER

Standard 10-Frame Size, 50c each, shipping weight, 4 lbs.

SPECIAL WIRE FOR FRAMES

1 oz. Spool Tin Wire, 87 feet	\$0.15 postpaid
1/2 lb. Spool Tin Wire, 700 feet	.25 not postpaid

(Shipping Weight, 1 lb.)

FRAME-WIRING OUTFIT

An inexpensive Wiring Outfit that speeds up the work and makes it very easy to put in full sheets of foundation and imbed the wires perfectly. Each, 60c; shipping weight, 3 lbs.

SECTION PRESS

A handy device for putting together sections. Each, 45c. Shipping weight, 2 lbs.

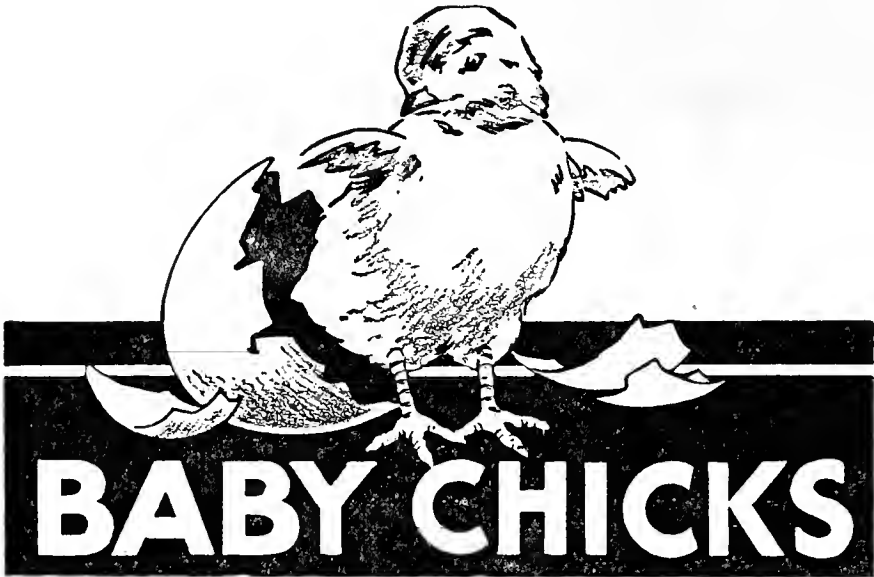
BEE VEILS

Root's Indestructible Veil, 85c each. Shipping Wt., 1 lb.

BEE GLOVES

Made of heavy drill, strongly stitched and treated to protect against stings. Each, 75c; Shipping weight, 1 lb.

WRITE FOR PRICES ON EXTRACTORS, CANS, ETC.



BABY CHICKS

For the year of 1933 we are ready to serve our customers with any grade of Baby Chick they may desire. After a careful investigation as to the financial condition, integrity and quality of breeding flocks being used by various hatcheries, we have made arrangements to sell chicks from two of the foremost hatcheries in the country. We are in position to furnish Western hatched chicks and in addition, Eastern chicks. Both hatcheries we represent use nothing but 100 per cent B. W. D. Blood-tested birds mated with trap-nested dams.

1933 CHICK PRICES

These prices are subject to change any time and should prices be any higher after you order we shall protect you. If prices are lower, we will send additional chicks for the full amount of your remittance.

TERMS: A deposit of \$2.00 per hundred or 2c per chick is required at time of ordering and balance C.O.D. All prices postpaid.

EASTERN CHICKS—A. A. GRADE

100 per cent Blood-Tested for B. W. D. from SUPER-TEST Accredited Flocks.

Price for	25	50	100	300	500
S. C. White Leghorns.....					
S. C. Brown Leghorns.....					
S. C. Buff Leghorns.....	\$2.85	\$5.20	\$ 9.40	\$28.00	\$45.00
Barred Plymouth Rocks.....					
White Plymouth Rocks.....					
Buff Plymouth Rocks.....					
S. C. Rhode Island Reds.....					
White Wyandottes.....					
Buff Orpingtons.....	2.95	5.35	9.90	29.00	48.00
Kircher Golden Buff Minorcas.....					
Booth White Minorcas.....					
Light Brahmas.....	3.45	6.35	11.90	35.00	58.00
Mixed Heavies.....		5.10	9.25	27.00	44.50

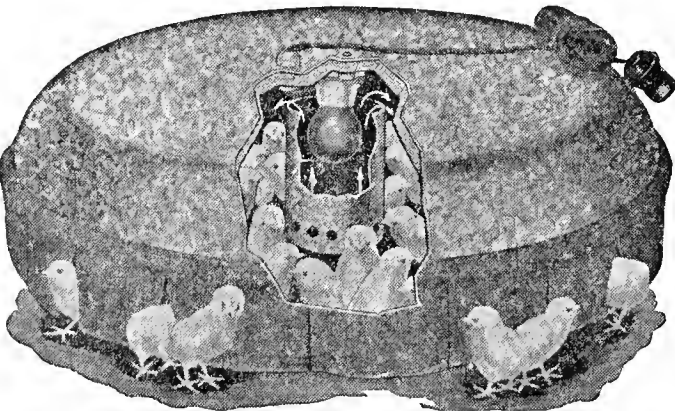
100 Per Cent Live Delivery Guaranteed

WESTERN HATCHED CHICKS

B. W. B. Tested State Accredited Flocks mated with double pedigreed males from trapnested dams having egg records from 250 to 312.

Price for	25	50	100	500	1000
White Leghorns.....	\$3.50	\$6.50	\$12.50	\$60.00	\$115.00
Rhode Island Reds.....	3.75	7.00	13.00	62.50	120.00
Barred Rocks.....	3.75	7.00	13.00	62.50	120.00
White Minorcas.....	4.75	8.00	15.00	72.50	.....
Black Minorcas.....	4.50	8.50	16.00	77.50	.....
White Wyandottes.....	4.50	8.50	16.00	77.50	.....
Buff Orpingtons.....	4.25	8.00	15.00	72.50	.....
Jersey Black Giants.....	4.25	8.00	15.00	72.50	.....
Anconas.....	3.75	7.00	13.00	62.50	.....
Brown Leghorns.....	3.75	7.00	13.00	62.50	.....
Extra Heavy Assorted.....	3.50	6.50	12.00	60.00	120.00
Heavy Assorted.....	3.00	5.50	10.00	50.00	100.00
Light Assorted.....	2.50	4.50	8.00	40.00	80.00

100 Per Cent Live Delivery Guaranteed



JUNIOR ELECTRIC BROODER

For small flocks, our Electric Brooder is practical and economical. For general use, a 25-watt bulb provides ample heat. Canopy is insulated and curtain surrounding canopy furnished.

Chick Capacity	Weight	Price
80	8 lbs.	\$3.50
130	16 lbs.	6.00

YOUR POULTRY NEEDS GREENS DURING THE WINTER

With your garden seed order, include a small amount of Chicken Radish, Lettuce and Mangel Beets. Description and prices will be found in seed section.

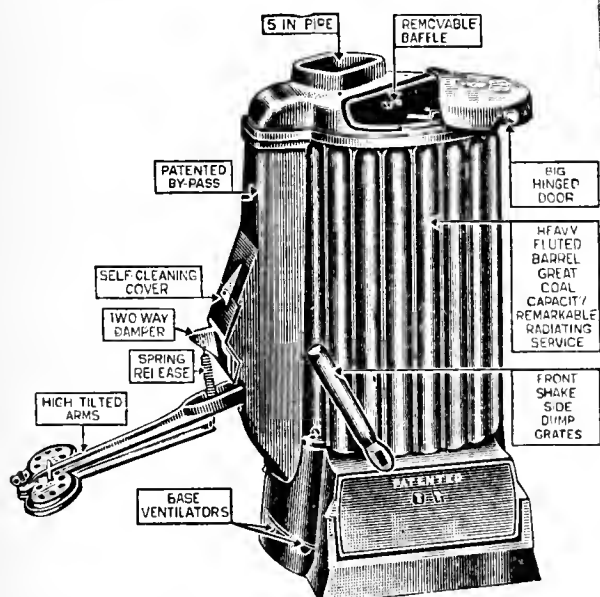
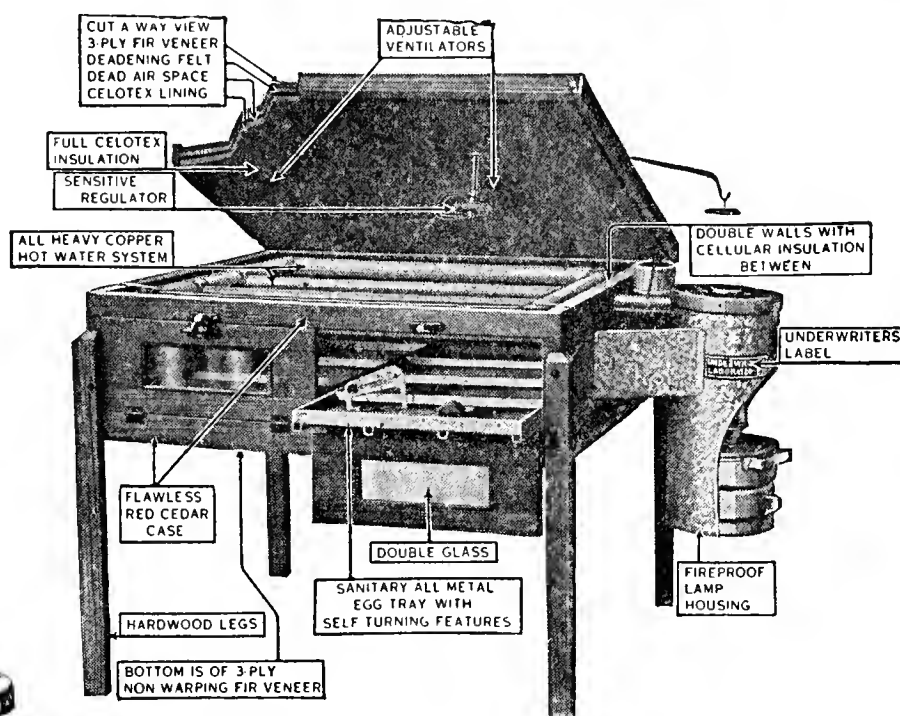
MAKOMB INCUBATORS & BROODERS

1933 INCUBATOR:

Our machine is manufactured by the largest incubator manufacturer in the world and contains many improvements only found in the most expensive models such as the automatic egg turning trays, Celotex Insulation, bottom hinged doors, semi-automatic Ventilation and pure copper boilers. All boilers are oversize with outside baffles and the entire heating system has been approved by the National Board of Underwriters.

Size	Weight	Price
150 eggs	100 lbs.	\$ 21.00
300 eggs	147 lbs.	28.00
450 eggs	177 lbs.	40.00
600 eggs	230 lbs.	52.00
900 eggs	354 lbs.	80.00
1200 eggs	450 lbs.	104.00

Incubators shipped direct from eastern factory which requires ten (10) days to make delivery after order is received.



IMPROVED MAKOMB GIANT COAL BROODER

Patented features and proper construction enables the "Makomb Giant" to burn soft coal as well as hard. Our 1933 stove carries the largest coal capacity of any brooder stove its size. In addition, the following features: Automatic By-Pass Control; Removable Baffle Plate; Tilting Canopy; 5-inch Stove Pipe; Large Rocker Grate, and Fluted Barrel which presents maximum heating surfaces and insures economy in fuel.

Size Canopy	Weight	Price
47 inch	105 lbs.	\$17.50
56 inch	129 lbs.	22.00
65 inch	152 lbs.	26.00

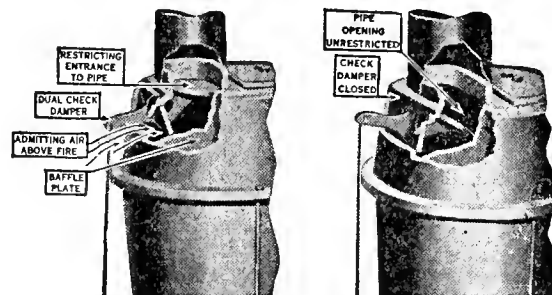
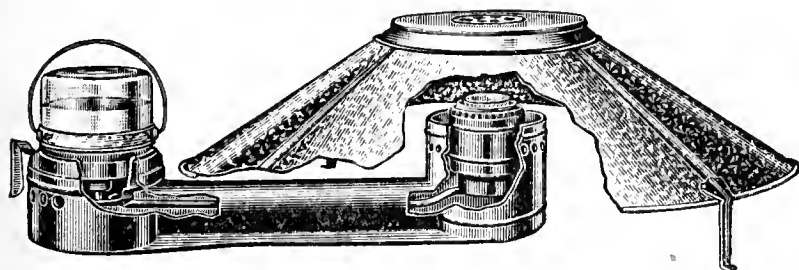
All Prices F. O. B. Great Falls

MAKOMB STANDARD COAL BROODER

Automatic Double Damper Control

A satisfactory and automatic brooder that meets all price competition. Revolving canopy, extra large coal door, exclusive damper action, improved canopy of greater strength.

Size Canopy	Weight	Price
52 inch	103 lbs.	\$17.50
62 inch	112 lbs.	19.50



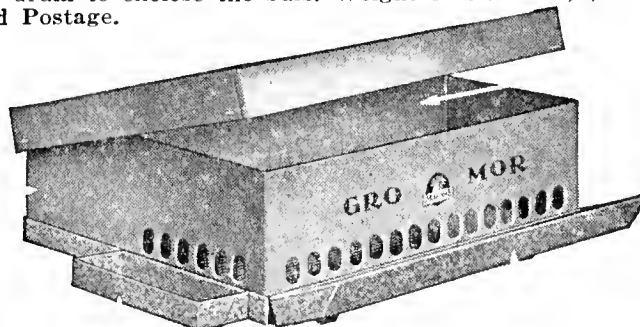
SIMPLICITY OIL BROODER

Construction—Special Blue Flame Burner needs no priming and generating. Equipped with a new pilot light. Canopy made of heavy galvanized steel with outer edges stiffened. Equipped with ventilator.

Size Canopy	Weight	Price
32 inch	34 lbs.	\$ 9.45
42 inch	38 lbs.	11.95
52 inch	51 lbs.	13.90

GRO-MOR BROODER

A low priced brooder equipped with feed and water pans. Size 20"x24"x7½" high giving ample head room for chicks up to four weeks of age. Equipped with ten feet of cord, porcelain socket terminal plug and circulating drum to enclose the bulb. Weight 8 lbs. Price, \$2.65. Add Postage.



AUTOMATIC KER-O-STAT OIL BROODER

The Only Successful Automatic Blue Flame Brooder

Safety Pilot Light and full Thermostatic Control make it completely automatic, with no danger of the flame going out. Drain plug and two-way feed prevent clogging. Perfect Ventilation under the new type canopy is always assured.

Size Canopy	Weight	Price
32 inch	36 lbs.	\$14.00

EGG TESTER

To be used with an ordinary lamp (No. 2 burner) for testing the fertility of eggs and also shows the size of air cell in the egg. Each, 24c, postpaid.

Incubator and Brooder Supplies

ADJUSTABLE ROOF SADDLE

To be used with all Coal Burning Brooders

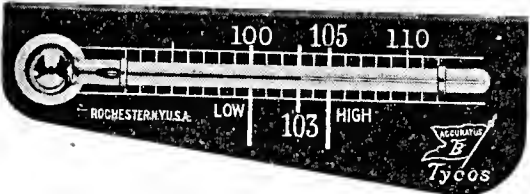
Easily adjusted to any desired angle from flat roof to 30 degree pitch. Storm and rainproof.

Size
4 inch
5 inch

Weight
5 lbs.
6 lbs.

Price
\$1.25 not postpaid
1.25 not postpaid

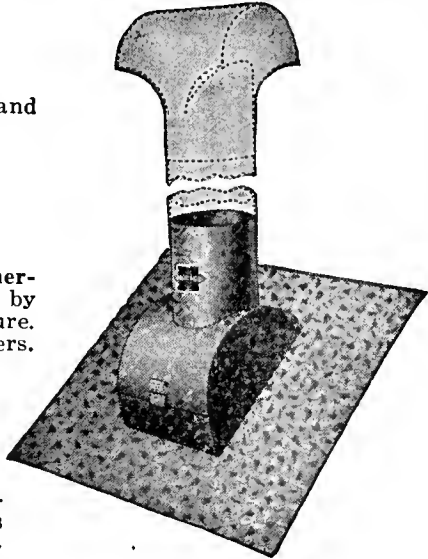
INCUBATOR THERMOMETERS



Diamond G Certified Incubator Thermometer—Retested and Certified by experts which makes it doubly sure. Can be used to test other thermometers. Each, \$1.23, postpaid.

Diamond G Brooder Thermometer—Designed to go through the top of the brooder so that the temperature can be read from the outside. Each, 65c, postpaid.

Diamond G Standard Thermometer—White scale with black graduations makes for easy reading. Each, 89c, postpaid.





\$4.75 Post Paid

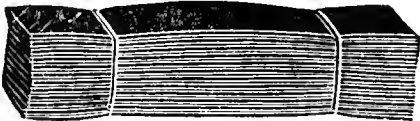
Burns 10 days without attention

MAKE YOUR OWN BROODER WITH THIS PUTNAM BROODER HEATER
Price each, \$4.75, postpaid.

Postpaid prices of part of Putnam Brooder Heater: Top, \$2.50; Tank, \$1.50; Burner, \$1.25; Wick Holder, 20c; Wicks, 40c per doz., postpaid.

RED FELT LAMP WICKS

High grade felt wicks. A big improvement over loose woven cotton wicks. No loose threads to burn uneven and smoke.



	Width	For Burner	Each	Per Dozen
No. 1	5/8	1	\$0.03	\$0.25
No. 2	7/8	2	.05	.45
No. 3	1 1/2	3	.06	.55

Postpaid prices on doz. lots.

LAMPS COMPLETE

No. 1—With 5/8 wick	\$1.20
No. 2—With 7/8 wick	1.50
No. 3—With 1 1/2 wick	1.85

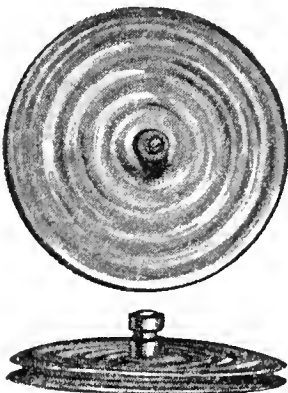
Postpaid prices.



Expanding Screws

Made of brass to increase size of burner on oil fount.

	Increase Bowl From Size	Postpaid Price
No. 206	1 to 2	\$0.10
No. 207	2 to 3	.15



WAFER THERMOSTATS

For Brooders and Incubators, brass throughout, fully tested.

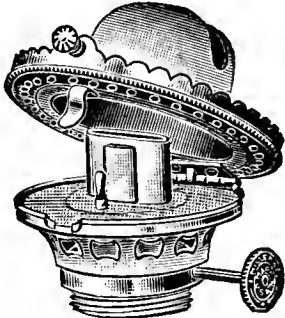
No.	Size	Price	P. Paid
297	3 in.	30c	38c
298	4 in.	60c	65c
299	5 in.	80c	85c

NOTE—When ordering state whether for brooder or incubator.

“SUN” HINGED LAMP BURNERS

For incubators and brooders. So designed that perfect combustion is assured. Easily cleaned and trimmed.

Size	Diam of Cone	Wick	Each Post-paid
1	2 1/2 in.	5/8 in.	\$0.40
2A	2 7/8 in.	7/8 in.	.50
2B	3 1/2 in.	7/8 in.	.55
3	3 1/2 in.	1 1/2 in.	.75



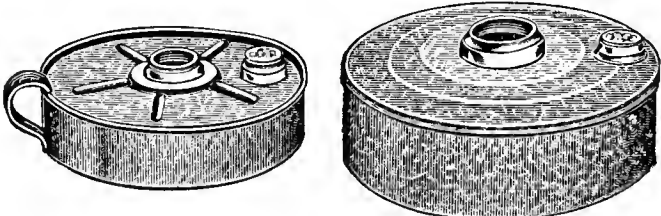
ZENITH LAMP BURNER

A “No Chimney” burner for incubators, brooders, fountain heaters, etc. Perfect combustion without chimney.

No. 1—5/8 inch wick, each, 50c, postpaid.

No. 2—7/8 inch wick, each, 65c, postpaid.

LAMP BOWLS



Heavy galvanized iron bowls. No give or spring to tops. A common fault with ordinary bowls.

No. 100—Size 1 burner, 1 1/2x6 in., each	\$0.55
No. 101—Size 2 burner, 2 1/4x6 3/4 in., each	.65
No. 102—Size 3 burner, 2 3/4x8 in., each	.80

POSTPAID PRICES

DOUBLE WICK SUN HINGE BURNERS

No. 214—Sun Hinge Burner with two wick tubes. Gives double the heat of a single wick burner. Perfect combustion, and easily cleaned and trimmed. Made of heavy brass throughout. Size 3. Diameter of thread 1 3/4 in. Diameter of cone 3 1/2 in. Size of wicks 1 1/2 in. Each, 75c, postpaid.

PIPE DAMPERS

To be used in the stove pipe of coal burning brooders where a large amount of pipe is necessary, thereby reducing the draft.

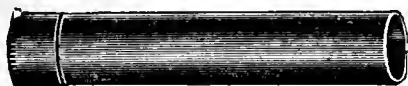
Size	Weight	Price
5 in.	1 lb.	20c
4 in.	1 lb.	15c



SMOKE PIPE FOR BROODER STOVES

Black sheet iron, made in 2 foot lengths.

Size	Length	Weight	Price
4 in.	2 ft.	2 lbs.	25c
5 in.	2 ft.	3 lbs.	25c

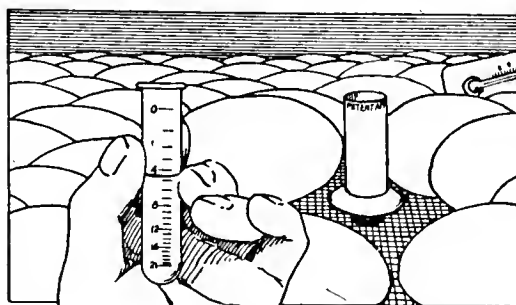


CORRUGATED ELBOWS

No. 115 —Black, 4 in., each.....	25c
No. 115A—Black, 5 in., each.....	25c

INCUBATOR HYGROMETER

This is not a regulator of moisture in the incubator but is an indicator of conditions, so that if not correct they may be made so. Each, \$1.75, postpaid.



MEASURE
THE EVAPORATION
IN YOUR INCUBATOR
with the
MOISTURE GUIDE.
IT "SOLVES THE MOISTURE PROBLEM"

BABY CHICK SUPPLIES

METAL CHIMNEYS

For incubators and brooders. Made of sheet of steel, Will fit

	Height	Burner No.	Price
No. 103	6 in.	2	25c
No. 104	6 in.	3	30c



Be sure to have a
supply at chick time

Poultrymen from
CALIFORNIA
TO FLORIDA
ARE USING
F. & E. CHICK PICK
TO STOP
TOE, WING AND BODY PICKING
OF CHICKS
THE GREATEST THING EVER OFFERED
TO OVERCOME CANNIBALISM
THERE IS NOTHING LIKE IT
THIS BLOOD
COLORED OINTMENT
QUICKLY BREAKS
THE PICKING HABIT
Effective
Harmless
Healing
F. & E. CHICK PICK REMEDY
Fritz Eales & Co.
COTATI CALIF.
A COMMON SENSE
TREATMENT FOR OVER
COMING PICKING OF CHICKS
DIRECTIONS
APPLY THE OINTMENT
SPRINKLE TO PICKED PARTS AND
SEVERAL TIMES DAILY UNTIL THEY
HAVE NOT BEEN PICKED SINCE
IT ON THOSE REPEAT IN ITS
BURIED OFF AND THEN A
CHANCE TO TASTE IT

STOP TOE PICKING

Per 1/2 lb. pkg.	\$0.70
Per 1 lb. pkg., postpaid.....	1.10

DIAMOND G TWO-PIECE CHICK WATERER

Bottom fits tightly to cylinder, preventing slopping when inverting. Ideal for watering all sizes of baby chicks.

Size	Weight	Price
1 gal.	3 lbs.	60c
2 gal.	4 lbs.	75c

Add Postage



HANDY FILL CHICK FOUNTAIN

Made of heavy galvanized iron in two pieces, so constructed that the fountain may be carried either filled or in a filling position. Especially designed for small chicks.

No.	Size	Weight	Price
C-2	2 gal.	4 lbs.	\$0.95
C-3	3 gal.	7 lbs.	1.10

Add Postage

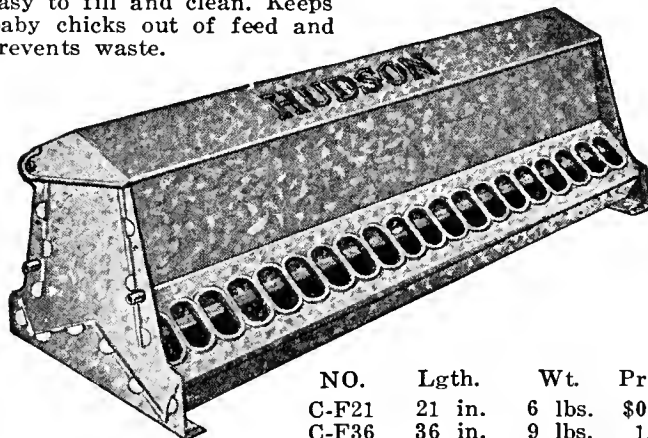


INCUBATOR MOISTURE GUIDE Solves the Moisture Problem

Each, \$1.00, postpaid.

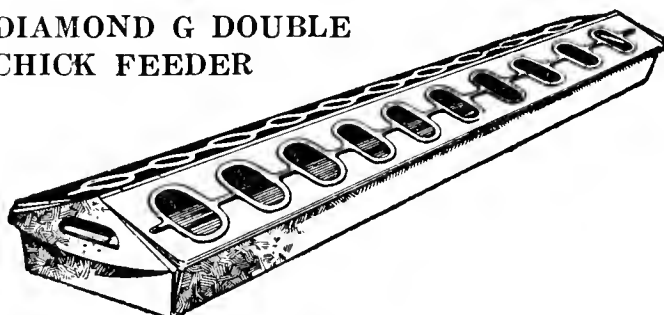
LARGE CAPACITY FEEDER

Cover hinged making it easy to fill and clean. Keeps baby chicks out of feed and prevents waste.



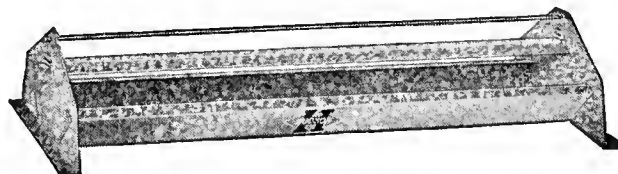
NO.	Lgth.	Wt.	Price
C-F21	21 in.	6 lbs.	\$0.98
C-F36	36 in.	9 lbs.	1.60

DIAMOND G DOUBLE CHICK FEEDER



The size of our new 1933 Chick Feeder has been increased to 24 inches. The top telescopes into a seamless pan with edges turned upward to prevent waste of feed. No slides to catch, no hinges to bind and break.

No. H-420, price, 25c; postpaid, 30c.



CHICK FEED TROUGH

Suitable for day old to six weeks old chicks. Easily filled and cleaned. V-Shaped bottom and flanged edge prevents waste. Guard adjustable for size of chicks.

No. OF18, length, 18 in.; weight, 1 lb.; price, 35c.

IDEAL PUNCH

New improved punch, scissors type, cuts clean, does not pinch foot.

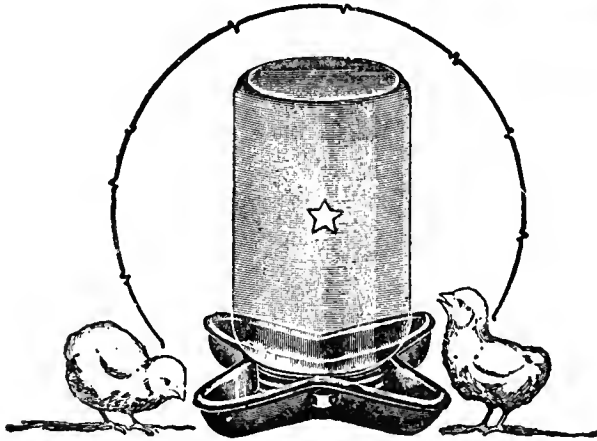
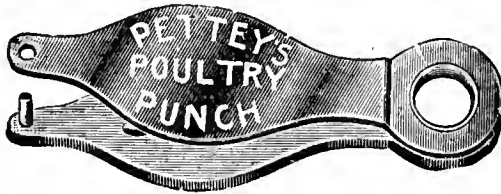
40c, postpaid.



TESTED AND GUARANTEED POULTRY PUNCHES

The only safe way to mark baby chicks is by use of the toe punch.

No. 38, postpaid, each, 25c.



STAR FOUNTAIN

Quickly screwed to a Mason jar and provides a greater drinking surface than the ordinary round fountains. Price, 15c each; 2 for 25c, postpaid. Mason jar not furnished.



BOTTOM FILL FOUNTAIN

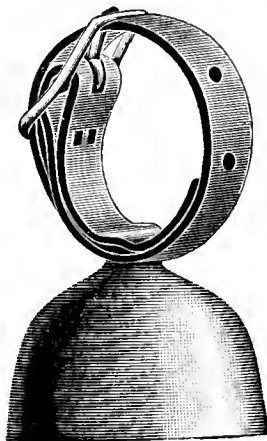
Made from heavy galvanized steel, two-piece, cone shape, easily filled and cleaned.

No.	Capacity	Weight	Price
B2	2 qts.	1 lb.	25c
B4	1 gal.	2 lbs.	40c

TURKEY BELLS

Made of genuine bell metal, finely polished and fitted with good leather straps and buckles. Enables the flock to be easily located and is a fine protection against preying animals and hawks.

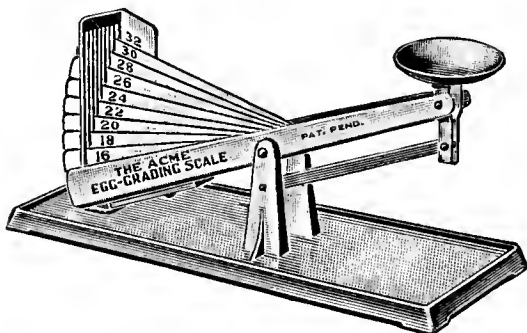
Each, 25c; 6 for \$1.35; per dozen, \$2.50, postpaid.



NEW REEL TYPE CHICK FEEDER

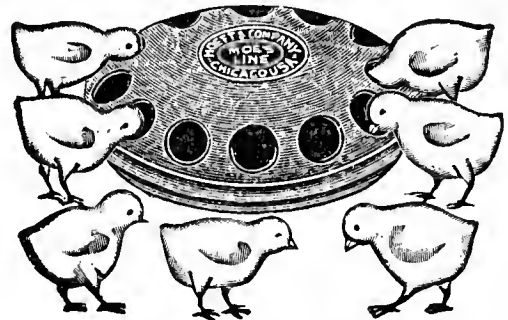
Provided with automatic revolving reel that revolves at the slightest weight placed upon it, thereby keeping the chicks from roosting or getting into the feed.

No.	Length	Weight	Price
R24	24 inch	3 lbs.	50c
R36	36 inch	3 lbs.	75c



ACME EGG GRADING SCALE

Will grade any egg from 16 to 32 ounces per dozen. This scale is being used by more than a hundred state institutions and has been officially adopted as the standard scale in many sections of the United States. It is being used by all of the commercial Egg Grading Plants in Montana at the present time. Each, \$2.50, postpaid.



DIAMOND G ROUND CHICK FEEDER

These round hole chick feeders are excellent for either dry or liquid feeds.

No. A12, 12 holes. Each, 24c; postpaid 30c; Two for 50c, postpaid.

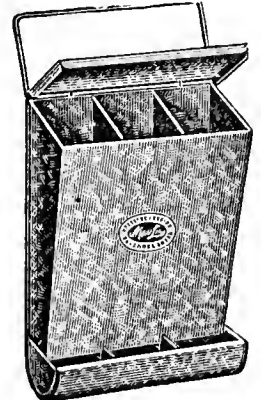
DIAMOND G GRIT AND SHELL BOX

Constructed to prevent waste in the feeding of grit, oyster shell and charcoal.

No.	Price
C-48B—2 compartments	\$0.50
C-48B—3 compartments	.90

Postpaid

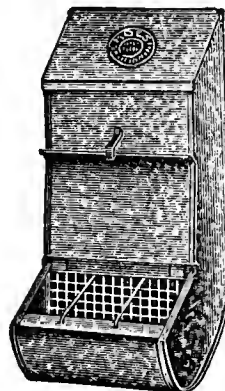
The above box can also be furnished with open front grille for the feeding of greens. Each, 90c, postpaid.



IMPROVED HANDY MASH HOPPER

Construction to hang on the wall at any height. Sloping top prevents roosting. Curved bottom prevents waste.

No.	Wt.	Capacity	Price
35	5 lbs.	10 qts.	\$1.50
36	6 lbs.	14 qts.	2.00
13	9 lbs.	22 qts.	2.35
37	10 lbs.	32 qts.	3.00

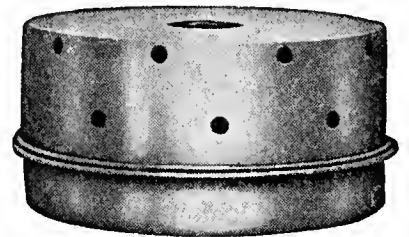


LITTLE PUTNAM STOVE

Burns one month without attention. Used for heating fountains and oat sprouters. Price \$1.95 postpaid.

Wicks for above. Each, 4c; doz., 20c, postpaid.

Wick and Holder Each, 12c, postpaid.

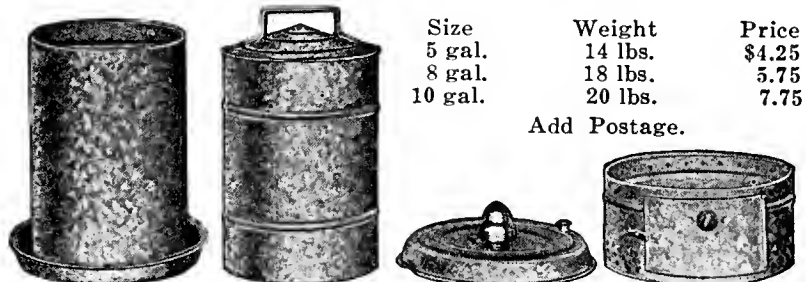


DIAMOND G HEATED FOUNT

Made of 26 gauge copper bearing steel which prevents rusting. Furnished with new type chimney burner, large oil capacity which will operate for three weeks on one filling of oil. Automatic in every way.

Size	Weight	Price
5 gal.	14 lbs.	\$4.25
8 gal.	18 lbs.	5.75
10 gal.	20 lbs.	7.75

Add Postage.



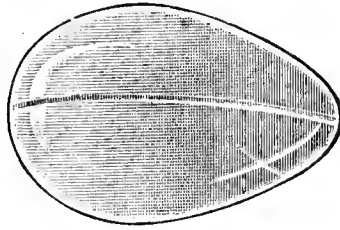
EGG SCALES, POSTPAID 95c



Be sure of your hatching eggs. Use only uniform heavy eggs.

CHINA NEST EGGS

Made of white porcelain, natural in appearance, and uniform in size. Will not easily break. Per dozen, 50c; postpaid, 60c.

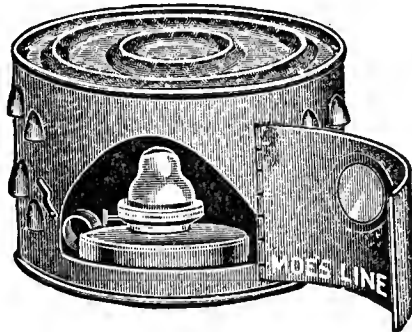
**LICE REPELLING WHITE NEST EGGS**

Closely imitate a real egg in appearance, and contains a powerful disinfectant. Will aid greatly in keeping the nest and hen free from vermin. Soon pay for themselves in increased yield. Per dozen, 50c; postpaid, 65c.

Diamond Fountain and Brooder Heater

Makes an excellent heater for small brooders. Will burn continuously for several days on one filling of oil. New safety type burner.

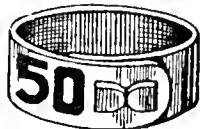
Weight 5 pounds. Each, \$1.90, add postage.

**GRAHAM & ROSS ALUMINUM LEG BANDS**

Made with large numbers, easy to read and adjustable to any size fowl.

POSTPAID PRICES

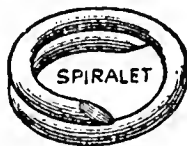
12 bands.....	\$0.15
25 bands.....	.25
50 bands.....	.45
100 bands.....	.75

**DIAMOND G COLORED LEG BANDS**

Furnished in cerise, red, blue, yellow and green.

Prices postpaid your station:

12 bands.....	\$0.15
25 bands.....	.30
50 bands.....	.50
100 bands.....	.75



Protect Chicks & Plants with

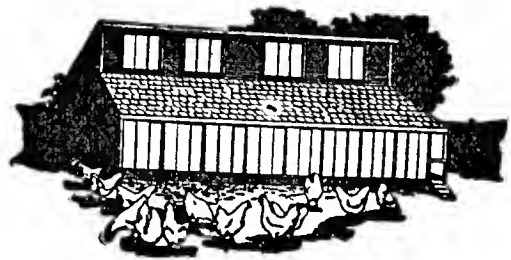
CEL-O-GLASS

Can be used on greenhouses, hot beds, cold frames, poultry houses and brooder houses. Absolutely non-breakable and stronger than glass.

Width, 28 inches, per running foot.....	\$0.32
Width, 36 inches, per running foot.....	.40

Weight per running foot, 1/2 lb.

Add Postage

**GLASS CLOTH**

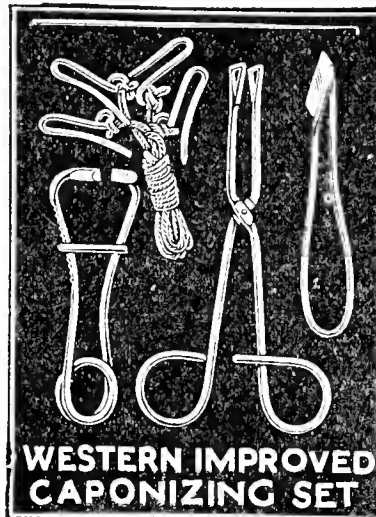
Vegetables and baby chicks thrive under Glass Cloth. Cover hot beds, scratch sheds and brooder houses with this marvelous material now.

Per yd.	\$.30 Postage, 3c
5-yd. roll	1.50 Postage, 10c
10-yd. roll	3.00 Postpaid
15-yd. roll	4.25 Postpaid

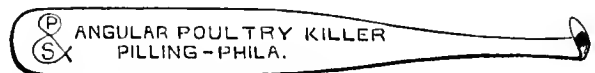
CAPONIZING SET

No. 410.—The Western Improved Caponizing Set, a practical and complete set of instruments for caponizing fowl. Consists of—Cord and hook attachments to hold the bird securely, Knife for making incision, Spreader to hold the incision open, Sharp Hook to perforate the thin membrane, Forceps for removing the organ. All finely finished and nickel plated. Packed complete with instructions for use.

Shipping weight, 8 oz. Price per set, \$2.95.

**LANSDOWNE AUTOMATIC TESTICLE REMOVER**

An ideal remover for the beginner and is recommended by the poultry expert for this state. Will absolutely overcome the large percentage of "slips" which the beginner usually experiences. Each, \$1.25, postpaid.

**KILLING KNIFE**

By simply turning the wrist the jugular vein and spinal cord are cut, thereby bleeding the fowl, allowing the feathers to be removed without using water. Each, 50c.

We Sell B-K
For 145 Farm Uses

5641

No home should be without a bottle of B-K, the safe powerful disinfectant. Ten times stronger than undiluted carbolic acid in destruction of disease germs, but safe. Ask for the free bulletins on the use of B-K.

Size	Wt.	New Prices
10 oz.	1 lb.....	\$0.50
1 qt.	3 lbs.....	.90
1 gal.	17 lbs.....	2.00
5 gals.	70 lbs.....	8.50

REMEDIES AND TONICS

Complete description of any of the following remedies will be mailed upon request.

DR. HESS REMEDIES

DR. HESS POULTRY TABLETS (Formerly Roup Tablets)—Postpaid prices—100 tablets, 50c; 225 tablets, \$1.00.

DR. HESS CHICK TABLETS—(Cure of White Diarrhea)—Postpaid prices—100 tablets, 50c; 225 tablets, \$1.00.

DR. HESS PAN-A-MIN—Postpaid prices—3 lbs., 65c; 7 lbs., \$1.25; 15 lbs., \$2.25; 25 lbs., \$3.50.

DR. HESS VER-MI-TROL—A flock treatment for treating all worms. 10 lbs., \$3.25.

PRATT'S REMEDIES

PRATT'S ROUP TABLETS—Small. 30c, postpaid; large, 60c.

PRATT'S BRONCHITIS—Large size. 60c, postpaid.

PRATT'S CONDITION TABLETS—For hens off feed. 60c, postpaid.

PRATT'S WHITE DIARRHOEA—30c, postpaid.

DON SUNG Chinese for Egg-Laying



FOR LOAFING HENS

GUARANTEED TO
PRODUCE EGGS

45 tablets	\$0.50
125 tablets	1.00
Special size (6 times the dollar size)	5.00

AVICOL CHICK TABLETS

Trial size	\$0.50
Large size (3 times the 50c size)	1.00

GROUP-OVER

For Colds and Roup in Poultry

Trial size	\$0.50
Large size (3 times the 50c size)	1.00

DR. HESS STOCK TONIC

Used By All Successful Dairy Owners

3 1/2 lbs.	\$ 0.65
10 lbs.	1.50
25 lbs.	3.50
100 lbs.	12.00

Add Postage

DR. HESS HOG SPECIAL

A conditioner and worm expeller that all successful hog raisers should use. 15 lbs., \$2.25, add postage.

DR. HESS UDDER OINTMENT

Used on swollen or bruised udders, cracked or chapped teats, cuts and bruises. Per can, 50c, postpaid.

EGG-O-LATUM FOR PRESERVING EGGS

Rub a little Egg-o-latium on your hands. Then roll and rub the eggs in your hands. Lay them away in an egg crate in a dry, cool place. Turn the crate upside down occasionally, and they will keep perfectly fresh for one year.

Egg-o-latium is colorless, odorless, tasteless and non-poisonous. It protects eggs from air, odors, germs and decay.

Eggs coated with Egg-o-latium can be boiled, fried, poached or whipped, same as fresh eggs. Avoid dampness.

Price per jar, 50c—sufficient for 50 dozen eggs. Large size, \$1.00—for 200 dozen eggs.

LEE'S REMEDIES

LEE'S VAPO-SPRAY—Used in treating colds and bronchitis. 1/2 gal, \$1.25, postpaid.

LEE'S EGG-O-HATCH—Helps eggs hatch easier. Per pkg., 50c.

LEE'S GERMOZONE—4 oz., 40c; 12 oz., 75c; qt., \$1.50; 1/2 gal., \$2.50; 1 gal., \$4.50.

In tablet form—20 tablets, 25c; 200 tablets, \$1.50.

LEE'S EGG-O-LATUM—For preserving eggs. Per jar, 50c; large size (4 times as much as the 50c size), \$1.00.

LEE'S DRI-RUB—Much cheaper than ordinary louse powder. 3 lbs., 75c.

LEE'S FLU-KOFF EMULSION—1 qt., \$2.00; 1/2 gal., \$3.50; 1 gal., \$6.50.

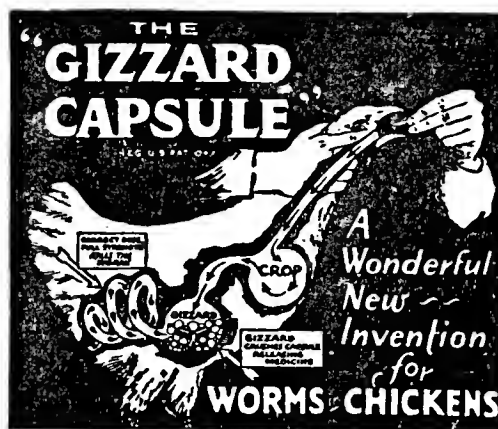
CONKEY'S REMEDIES

CONKEY'S ROUP REMEDY—30c, postpaid.

CONKEY'S LIMBERNECK REMEDY—60c, postpaid.

CONKEY'S WHITE DIARRHOEA REMEDY—1,200 tablets, \$2.50.

CONKEY'S Y-O—1 lb., 60c; 2 lbs., \$1.00.



A triple combination worm medicine for Round, Tape and Pin Worms. Easy to administer and very effective.

Chick Size	
50 capsule pkg.	\$0.50
100 capsule pkg. ....	.90
250 capsule pkg.	2.00
500 capsule pkg.	3.50
Pullet Size	
100 capsule pkg.	1.00
Adult Size	
50 capsule pkg.	1.00
100 capsule pkg.	1.75
250 capsule pkg.	4.00
500 capsule pkg.	7.00

Postpaid Prices

PINWORMS and BLACKHEAD

The U. S. Bureau of Animal Industry recognizes that Pin Worms are an important factor in the spread of Blackhead. This is especially important to turkey raisers.

Pin Worms are the small white worms found in the ceca or "blind pouches" of the intestines. Very often the entrance to the ceca is so congested no medicine given by mouth can reach these worms. Pinjectol is administered by injection into the rectum.

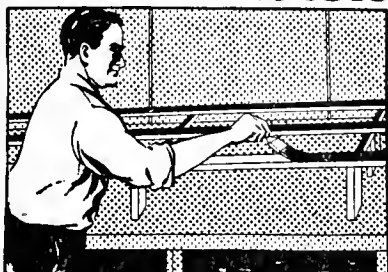
Pinjectol is so effective against these worms it is permitted to be labeled a "specific," which means cure. Easy to administer with Lee Poultry Dosing Syringe. Worms expelled should be burned.

12-oz., bottle, sufficient for 65 1 1/2-lb. birds, \$1.00; 32-oz., for 170 1 1/2-lb. birds, \$2.50; 1/2 gal., for 350 1 1/2-lb. birds, \$4.50. Lee Poultry Dosing Syringe, 25c.



LICE KILLERS AND DISINFECTANTS

'PAINT' THE ROOSTS

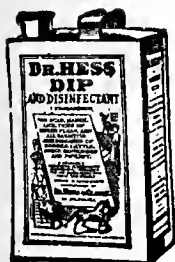


WITH "BLACK LEAF 40"

LOWER PRICES

Size	Old Prices	New Prices
1 oz.	\$0.35	\$0.35
5 oz.	1.25	1.00
1 lb.	2.50	2.25
2 lbs.	3.75	3.35
5 lbs.	7.00	6.25

DR. HESS DIP NOT POSTPAID



Size	Weight	Price
1 qt.	4 lbs.	\$0.60
1/2 gal.	7 lbs.	.85
1 gal.	12 lbs.	1.50
5 gals.	50 lbs.	6.25

HEALTH PAINT

Disinfects and whitewashes at the same time. 5 lbs., 75c; 10 lbs., \$1.40. Add postage.

DR. HESS FLY CHASER

A new strong preparation. Per gallon, \$1.75, postpaid.

We can save you money on Printed Bottle Caps
Write for Prices

STOCKAID FLY SPRAY

STOCKAID has been known for years as one of the most reliable of all stock fly sprays. Will not gum the hair and very effective in keeping flies off stock not only while milking, but in the pasture.

Per gallon, \$1.75, postpaid

FLYTOX HOUSE FLY SPRAY

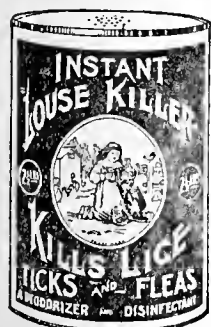
The most simple and most effective way of ridding your house of flies is by the use of FLYTOX. Simply spray a small amount in each room and immediately the flies are killed. Will not soil walls or fabrics. A spray furnished with each bottle.

1/2 pint, 50c, postpaid.
1 pint, 75c, postpaid.

B-K

LOWER PRICES

Size	Wt.	New Prices
10 oz.	1 lb.	\$0.50
1 qt.	3 lbs.	.90
1 gal.	17 lbs.	2.00
5 gals.	70 lbs.	8.50



DR. HESS LOUSE POWDER—1 lb., 35c; 2 1/2 lbs., 65c.

LEE'S LICE POWDER—1 lb., 30c.

REVENGE LICE KILLER—1 1/2 lbs., 65c; 3 lbs., \$1.00.

LEE'S DIP

Postpaid Prices

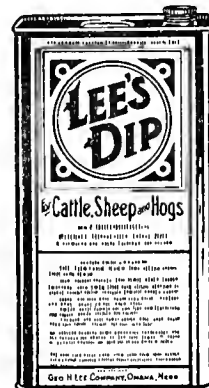
Quart	\$0.75
1/2 gal.	1.25
1 gal.	2.00

LICENE

A sure remedy. Per tube, 60c; postpaid, 65c.

SULPHUR CANDLE

1 lb. size, 40c each, postpaid.



"GOLD LEAF" TOBACCO POWDER

"Gold Leaf" Tobacco Powder is especially manufactured for controlling Round worms. Simply mix 2 pounds of Powder with 100 pounds of dry mash. We guarantee that "Gold Leaf" will retain its nicotine strength when stored in a dry place. Ordinary Tobacco Dust always loses its strength with age. 2 lbs., 39c; 10 lb. pkg., \$1.35. Add postage.

SULPHUR CANDLE

An easy, yet economical way to fumigate any room after sickness or disease. Contains no wax, comes prepared in tin can with six wicks. Simply light the wicks and close all doors and windows. Use from four to five candles per thousand cubic feet.



Large size, containing 1 lb., 40c each, postpaid.

Ledger, Montana, January 23, 1933.

Graham & Ross, Great Falls, Montana.

Gentlemen:

I am sending you the young pen of White Leghorns that were judged Grand Champion and best White Trio at the Montana State Poultry Show, January 17-21. This is in accordance with your request to place them on display in your show window. At this year's show I won 1st and 2nd on cock bird; 1st and 2nd on hen; 1st 2nd, 3rd and 4th on cockerels; 1st, 2nd, 3rd, 4th and 5th on pullets; 1st old trio, and 1st young trio, in addition to having the Grand Champion young trio, Grand Champion old hen, and Grand Champion cock bird. I also won the Grand Champion display.

I have been breeding White Leghorns for many years and have always felt that the feed used is playing a large part in determining the number of winners that I turn out. You will, no doubt, be interested to know that I have been using Diamond G mashes for the past several years, starting my baby chix on Diamond G Chick Mash and feeding my layers on Diamond G Egg mash. If anyone wants to know about the results that can be obtained from your feed, you may tell them to get in touch with me. I use the D-G mashes containing yeast and C.L.O., as much benefit is derived from the use of yeast.

I have some breeding stock left for sale and am booking orders now for setting eggs and baby chix. If anyone inquires of you for stock, please have them write me at Box 22, Ledger, Montana.

Yours very truly,

Wm. Baumann & Sons.

FIELD SEEDS SECTION

Write for Samples and Tests

Current Prices. The prices quoted are opening prices and subject to market changes. If price of seed has advanced, order will be filled for amount of remittance. If lower, we shall refund the difference. All bags furnished free. All prices quoted F. O. B. Great Falls, add postage, express or freight See page 48 for opening prices.

ALFALFA SEED

"X-L" BRAND

The finest grade of Alfalfa Seed grown in Montana and would command a premium on any eastern market, because of its purity and extreme hardness. Free of dodger, well scarified and graded.

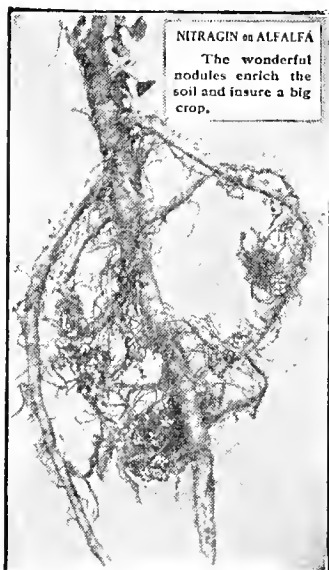
COMMON MONTANA ALFALFA SEED

While not carrying as high a test as our "X-L" brand, this seed will prove satisfactory in every way. This seed is thoroughly cleaned, plump, well graded and excellent germination. A real buy at this price.

"X-L" AFFIDAVIT GRIMM

This seed was grown from registered seed inspected by our personal representative and certified by grower's affidavit. Carries an excellent purity and germination test.

For Field Seed Prices See Page 48



"X-L" REGISTERED GRIMM

At the price we are offering this seed, no one can afford not to plant at least a few acres of the highest quality of alfalfa seed known. Officially registered and certified by representatives of the Montana Seed Growers Association. Sold in sealed bags only, carrying Blue Tag which is the highest grade established.

PURCHASE YOUR ALFALFA SEED EARLY

This past year Montana produced one of the smallest crops of Alfalfa Seed that we have ever known. We look for higher prices and a complete sell-out early in the season.

CLOVER SEED

To insure high germination, we scarify all seed.



"X-L" HI-GERMINATING YELLOW BLOSSOM

This variety does not grow as tall as the White. Makes an excellent hay as the stalks are not too coarse and are all very fine in texture.

MONTANA COMMON YELLOW BLOSSOM

Lighter weight and off color seed. Not as uniform or quite as high in purity as our "X-L" Brand. Write for sample.

"X-L" HI-GERMINATING WHITE SWEET CLOVER

Especially suited to heavy, gumbo ground. A high rank grower and wonderful soil improver. Makes a much better hay crop the second year than the first.

"X-L" HI-GERMINATING ALSIKE OR SWEDISH CLOVER

This variety is a perennial and one of the hardest varieties known. Absolutely refuses to winter kill. Capable of resisting the extreme of drought or wet.

"X-L" HI-GERMINATING MEDIUM RED CLOVER

Sometimes called June Clover. It will produce two crops of hay and usually can be depended upon for a crop of hay and crop of seed. May be sown either in the spring or fall.

SAVE SEED

Use a Cyclone Seeder for broadcasting all kinds of Alfalfa, Clover and Grass Seeds. Very easy to operate. See page 28 for description. Each \$2.25, postpaid.

GRASSES

CRESTED WHEAT GRASS (Billion Dollar Grass): This is undoubtedly the most important grass introduction that we have for general plains conditions. In comparison with Slender Wheat Grass and Brome Grass it is a heavier yielder of hay. It becomes green in the spring often earlier than Brome Grass and stays green later in the fall. Crested Wheat Grass will spread widely and completely cover the ground. It is adapted to a rainfall under 13 inches per year and is relished by all forms of livestock. It is a very heavy seed producer. Seed 10 to 15 pounds per acre in rows six inches apart with grain drill. Seed very scarce and our supply short. Order early.



Photo taken on L. G. Baldwin ranch at Fairfield, showing (left) alfalfa from untreated land, (right) alfalfa from plot treated with treble super phosphate. Photo taken by Ivar Nygaard, State College chemist.

"X-L" HI-GERMINATING BROME GRASS

We consider Brome grass the most important tame grass for Northwestern conditions. No amount of cold seems to be able to kill it. Will grow under conditions that are very dry and it can also stand being covered with water for one or two weeks in early spring. Most economical pasture grass we know.

"X-L" HI-GERMINATING ENGLISH OR PERENNIAL RYE GRASS

Excellent for both pasture and meadows, moist and rich clay loams are the soils best suited to it. The seed is heavy and very quick to start.

"X-L" HI-GERMINATING MEADOW FESCUE OR ENGLISH BLUE GRASS

This is an excellent permanent pasture grass and extremely hardy and the quality of the grass is high for feed purpose. Withstands drought and heat and severe cold equally well.

"X-L" HI-GERMINATING ORCHARD GRASS

No farm should be without a small field of this wonderful grass as in many respects it is superior to all other grasses, stands the drought well, grows in the shade, does well in poor or wet ground. Furnishes pasture in three weeks earlier than other grasses and after close grazing, ten days rest is sufficient to produce another growth.

"X-L" HI-GERMINATING RED TOP

Makes a good growth the same year it is sown and continues growth throughout the season. Commonly known as Herd's Grass. Generally used in grass mixtures for hay purposes.

"X-L" HI-GERMINATING TIMOTHY

As a crop for hay, Timothy is probably unsurpassed by any other grass. Greatly relished by all kinds of stock.

"X-L" HI-GERMINATING WESTERN RYE GRASS

Sometimes called Slender Wheat Grass. Affords excellent pasturage and provides large quantities of hay. Thrives on all soils, gives good returns on strong alkali land.

"X-L" HI-GERMINATING SUDAN GRASS

This grass is closely related to the Cane family, but is not so coarse and yields more feed per acre. Found favor with the Montana farmer by its ability to withstand drought and the fattening properties that it carries. We offer Montana grown seed this year.

"X-L" HI-GERMINATING HUNTLEY PERMANENT PASTURE MIXTURE

Recommended by the Federal Experiment Station at Huntley as the best mixture for Montana. Tests have proved that it will pasture more stock per acre than any other.

Suggested for one acre

- 3 lbs. Brome Grass.
- 4 lbs. Kentucky Blue Grass.
- 4 lbs. Orchard Grass.
- 3 lbs. Meadow Fescue
- 1 lb. White Clover.
- 1 lb. Alsike Clover.
- 16 lbs. to 24 lbs. per acre.

"X-L" HI-GERMINATING KENTUCKY BLUE GRASS

This makes the best, sweetest and most nutritious pasture for all kinds of stock. A perennial that is often mixed with other grasses forming a permanent pasture. Our seed is bright, plump, testing 21 pounds to the bushel, which is considered above the standard.



One of the most attractive plots at the North Montana fair grounds. Plot sown with "X-" mixed grass seed. The border is "X-L" Sweet Alussum and "X-L" Giant Zinnias surrounds the center piece.

BARLEY

HORN

An outstanding bearded two-rowed variety which has proven to be the best yielder under dry farming conditions in Montana. It is taller than other varieties of the two-rowed class and a heavier yielder. At the Judith Basin Experiment Station it outyielded the best six-rowed varieties by about five bushels per acre, and the average yield per acre over a six-year period showed 45.6 bushels.

TREBI

A bearded six-rowed variety which has proven to be the highest yielder under irrigated conditions. The past few years Trebi has proven to be an excellent Barley for dry land also. Grain is large, plump and white with a very thin hull.

FAUST'S BLUE HULLESS AND BEARDLESS BARLEY

A yield of 35 to 40 bushels is very common with this new strain of Barley and the feed value is the highest of all Barleys.

WHITE HULLESS

This is a six-row beardless barley which threshes out of the straw like wheat. It is a good barley for dry sections as it is very early, especially valuable for hogging off, as there are no beards to bother the stock. It is also sown for early hay.

SPELTZ

SPELTZ OR EMMER

Grows well on any kind of soil, especially adapted to semi-arid districts and produces a crop under the most adverse conditions. Similar in appearance to barley but outyields both barley and oats. The straw is equal to oats in feeding value. The grain makes excellent feed for any kind of stock, especially for milk cows. Every farmer should give it an important place on his farm.

Our seed was produced from Montana high yielding strains adapted to this region.

MILLET

"X-L" HI-GERMINATING EARLY FORTUNE MILLET

On of the surest crops in the Northwest and especially valuable as a grain crop for late planting. Yields enormous crops of rich food, adapted to stock and poultry feeding.

"X-L" HI-GERMINATING GERMAN

This variety is especially adapted for hay because of its taller growth, extreme earliness and rich feeding value. We recommend Southern Grown Millet seed for hay purposes.

"X-L" HI-GERMINATING SIBERIAN

As both a hay and seed producer, it ranks very high. This is the hardiest and most planted variety in the Northwest.

"X-L" HI-GERMINATING BROOM CORN OR HOG MILLET

The most common variety grown for seed production. Makes an excellent feed for hogs, cattle and poultry. A great drought resister.

PROSO TYPE MILLETS

Tamboff or Turghai Proso—We are exceedingly glad to be able to offer this very excellent variety of Proso. We believe it to be the heaviest yielder of any Proso, the earliest, and a tall growing, non-lodging variety as well. The seed is a rich, dark reddish brown in color, and of very beautiful appearance.

SEED OATS

"X-L" MARKTON

A new variety in Montana but destined to become one of the leaders. In a four-year nursery test conducted by the agricultural college in which fifteen varieties were grown, Markton was the leading variety, averaging 67.7 bushels per acre and yielding 6.6 bushels per acre more than Swedish Select. It is immune to covered smut and shows less tendency to shatter while standing than do many other varieties.

Dry Land Montana Grown "X-L" HI-GERMINATING SWEDISH SELECT

The straw is coarse, noted for its stiffness and power to withstand lodging. Weighs from 35 to 45 pounds per bushel. They are quite early and less liable to smut than most any other sort.

"X-L" HI-GERMINATING VICTORY

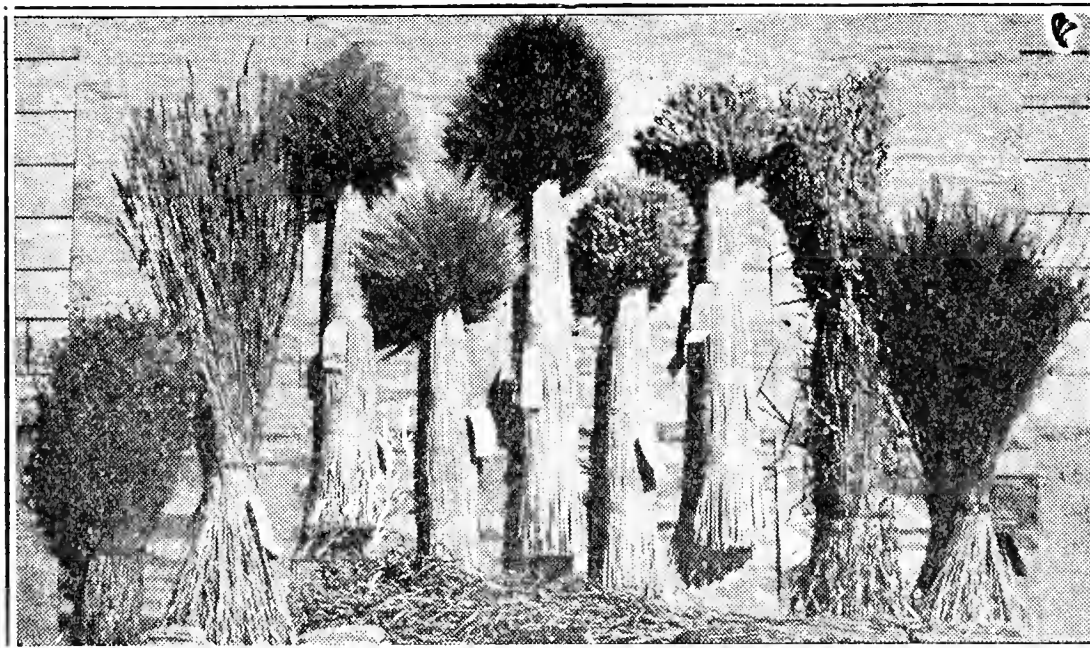
This is the standard oat for Montana. It is of the Swedish Select type, but much improved. It is a heavy yielding variety of thin hulled, plump white oats. Our seed weighs over 40 pounds to the bushel and is free of wild oats.

Lower Your Oats Production Cost Per Acre

Treat all seed oats and barley with Ceresan to prevent smuts and blights. Ceresan will increase your oat yield by 10 bushels per acre. Dust it on the seed before planting. Apply three ounces per bushel of seed oats and barley. Prices: 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.50. Add postage.

SORGHUM OR SUGAR CANE

Southern Amber Cane for Forage and Pasture: The Cane plant produces from three to eight tons per acre of cured forage and it will withstand drought and other unfavorable conditions.



SPRING WHEAT

We can furnish either Marquis or Supreme and if interested, write for prices at planting time.

**"X-L" Brand
Field Seeds
Produce
Large Crops
That Are
Prize Winners**

SEED CORN

High Yielding, Early Maturing, Montana Grown

"X-L" HI-GERMINATING FALCONER

The highest yielding of all corn varieties for the Northwest. Earlier than any of the Dents and hardier. It will grow and develop in cold weather when other sorts stand still. Large ears containing 8 to 12 rows.

"X-L" HI-GERMINATING N. W. DENT

Extremely hardy and will produce crop when all other dents fail, owing to its frost and drought resistance. Ripens in 80 to 90 days.

"X-L" HI-GERMINATING PIONEER OR RUSTLERS WHITE DENT

The earliest Dent to pick for those wishing only the grain crop. Cures quickly as the cob is small. This corn has never failed to produce some ripe corn for us even in the worst years.

"X-L" HI-GERMINATING GEHU OR YELLOW FLINT

The very earliest of flint corn, producing two or three ears to the stock. For some of Montana's high altitude counties this corn is a wonder as it is drought, frost and hail resistant to a greater extent than any other variety.

"X-L" HI-GERMINATING WHITE FLINT

Matures in about 80 days and grows to a height of 4 to 5 feet. Especially adapted to hogging down as the ears grow close to the ground.

"X-L" HI-GERMINATING ELEPHANT FODDER

Our particular strain of this variety has become popular with hundreds of stock growers in Montana, because of its large size, earlier maturity, finer and richer fodder and ease of handling. Grows to an average height of 7 to 8 feet, is very leafy and has a small stalk.

SPRING RYE

"X-L" PROLIFIC

This is a new Spring Rye which very much outyields the common sort. Attractive in appearance on account of the large size kernel.

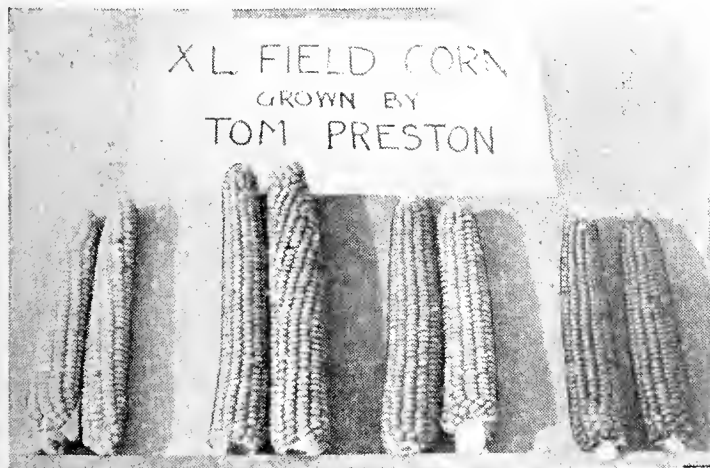
SPRING RYE—TRUE STOCK

Excellent for the dry-land farmer needing a sure crop of hay. Useful as a late crop both for hay and grain and excellent for summer pasture.

FALL RYE

For Spring Use

Fall Rye planted in the Spring on either dry or irrigated land for pasture purposes gives satisfactory results. Makes an early abundant pasture due to the stooling characteristics emphasized by the Spring conditions.



Who said you can't raise corn in Montana? Tom Preston raises these four varieties on his dry land farm south of Great Falls. Left to right: White Flint, Falconer, Minnesota 13, N. W. Dent.



"X-L" Elephant Fodder raised on G. C. Eakman's Dairy, west of Great Falls.

RAPE

"X-L" Hi-germinating Dwarf Essex

Sow 6 to 10 pounds per acre. Very popular for hog and sheep pasture where soil is good and fairly well watered. Keeps growing out as it is eaten off.

BEANS

Montana Grown

"X-L" Hi-germinating Great Northern Field

We wish each customer of ours would plant a few acres of this bean. You will always find a ready market. Montana grown beans are known the country over and always command a premium.



Montana Grown Canadian Field Peas

Field Peas are one of the most useful of crops. The straw is equal to clover and the grain is one of the most nourishing of foods for all kinds of stock. In order to aid in harvesting, we recommend that they be sown with oats or spring rye.

SUNFLOWER SEEDS

"X-L" Hi-germinating Mammoth Russian

A wonderful producer of fine quality silage. Will produce as high as 12 tons to the acre. Sown in rows wide enough apart to permit cultivating between them.

FLAX

"X-L" Hi-germinating Reserve

This new variety of Flax has been proven to be the best yielder of any variety yet tried at the Bozeman Experiment Station. Over a three-year period yielded 27.8 bushels per acre on irrigated land. Much earlier than Russian. Brown or Bison and ripens very evenly.



FEEDS

Prepared
Miscellaneous
Concentrates



Will Start Them Right
We offer the lowest prices in our history. Use Prepared Feeds at these prices and make more money.
Will Mature Them Right

All prices subject to market changes and stock unsold. Orders will be filled to the full value of remittance received.
All prices F. O. B. Great Falls. Bags free.

DIAMOND G		PREPARED FEEDS			
		100 lbs.	50 lbs.	25 lbs.	10 lbs.
Buttermilk Chick Mash containing Yeast and NOPC XX Cod Liver Oil		\$2.80	\$1.50	\$0.80	\$0.30
Turkey Mash (We recommend the above feed for turkeys)					
Growing Mash, Yeast and NOPCO XX Cod Liver Oil		2.50	1.35	.75	.30
Egg Mash with Buttermilk		2.00	1.10	.60	.....
Egg Mash with Yeast and NOPCO XX Cod Liver Oil		2.50	1.35	.75	.....
Chick Scratch		2.30	1.25	.70	.30
Pullet Scratch		2.15	1.20	.70	.30
Hen Scratch (8 grains)		1.50	.85	.50	.30
CERETANA					
Starting Mash with Buttermilk and Cod Liver Oil		3.00	1.65	.90	.35
Turkey Starter		3.05	1.70	.90	.35
Growing Mash with Buttermilk and Cod Liver Oil		2.55	1.35	.75	.35
Gallatin Growing Mash with Buttermilk		2.40	1.30	.70	.30
Chick Scratch		2.30	1.30	.75	.30
Pullet Scratch		2.15	1.20	.70	.....
Egg Mash with Buttermilk and Cod Liver Oil		2.45	1.35	.85	.....
Mor-Live Chick Mash without Buttermilk		2.50	1.35	.75	.30
(Recommended where an abundant supply of milk is available)					
Mor-Live Growing Mash		2.30	1.25	.70	.30
Mor-Egg Egg Mash		1.70	.....	.....	.....

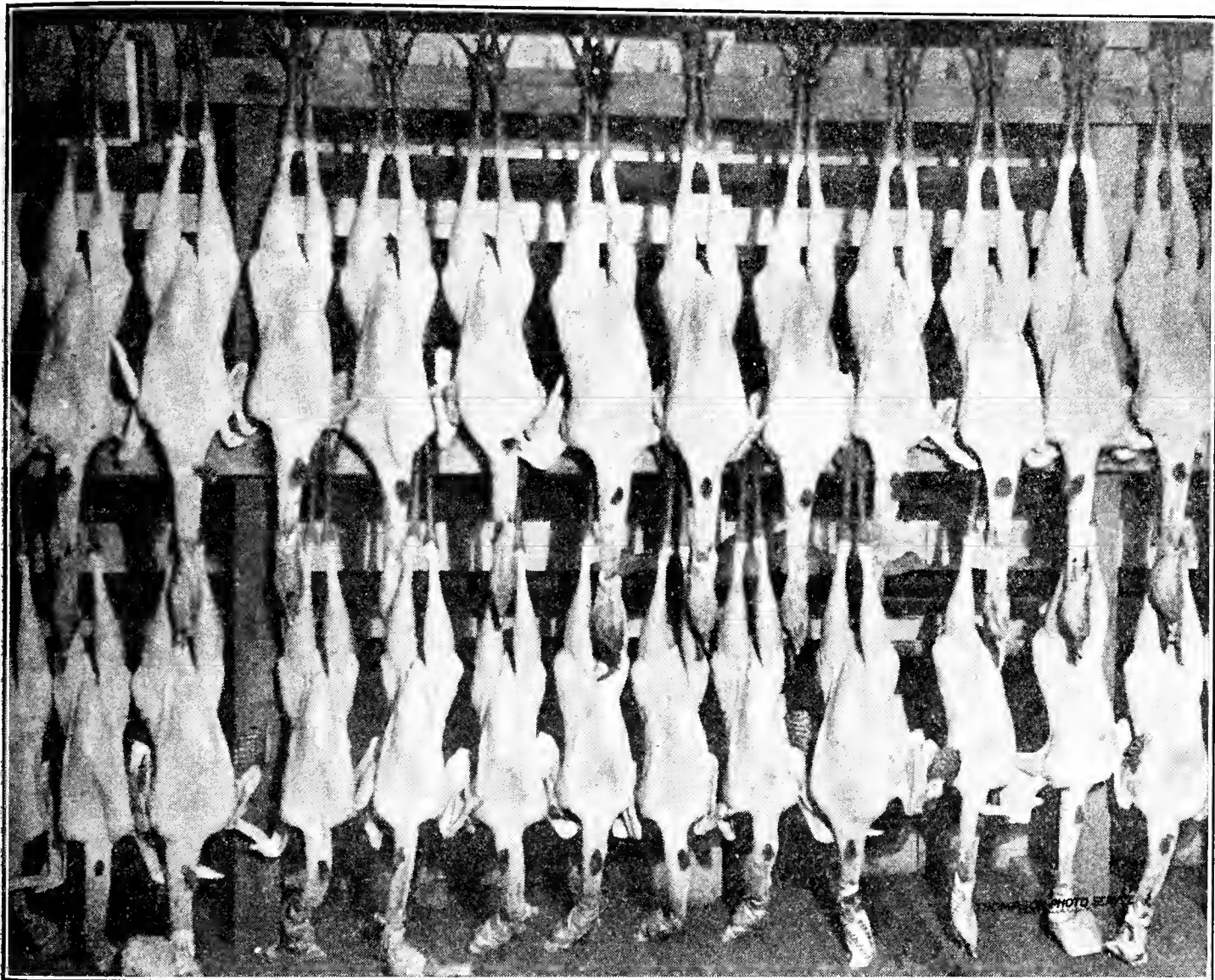
MISCELLANEOUS FEEDS		100 lbs.	50 lbs.	25 lbs.	10 lbs.
Alfalfa Meal, Dehydrated		\$3.75	\$2.00	\$1.25	\$0.40
Bone Meal (Steamed)		3.35	1.75	.95	.40
Barley Flour for Mashess		1.50	.85	.50	.25
Buttermilk (Dried)		6.00	3.10	1.65	.75
Corn (Yellow)		1.20	.65	.....	.....
Cracked Corn, Rescreened, Steel Cut		1.35	.70	.....	.....
Corn Meal		1.50	.85	.....	.....
Charcoal (Hardwood)		3.80	2.00	1.30	.....
Calcite (Egg Shell Maker)		1.25	.70	.40	.....
Cod Liver Oil, per gallon, \$1.75. Weight, 8 lbs.					
Grit, all sizes		1.25	.75	.50	.35
Ground Feed (Oats, Corn, Barley) 80 lbs., \$1.25.					
Lime		3.00	1.65	.95	.50
Linseed Meal (Old Process)		3.00	1.65	1.00	.40
Meat Scraps		3.10	1.65	.95	.45
Oyster Shell Flake		1.50	.85	.50	.20
Oats		1.25	.65	.....	.....
Oats (Rolled)		2.70	1.45	.80	.35
Oat Groats		2.70	1.45	.80	.35
Salts (Epsom) per pound, 15c; 2 for 25c.					
Flax Meal (Druggist Grade)		7.50	3.85	2.00	.90
Flax Meal (Common Grade)		4.00	2.10	1.15	.60
Salt with Iron and Iodine		1.25			
Salt with Iron and Iodine, in ton lots		1.20			
Salt Blocks, 50 lbs. ....		.80			
Salt Blocks, 50 lbs., with Sulphur .....		.85			
Salt, Lump		1.10			
Wheat .....		.75			

SPECIALTY FEEDS		100 lbs.	50 lbs.	25 lbs.	10 lbs.
Calf Meal (Ceretana)		\$3.50	.....	\$1.00	.....
Calf Meal (Blatchford)		5.50	\$2.85	1.50	.....
Lamb Meal (Ceretana)		3.60	.....	1.00	.....
Rabbit Meal		2.30	1.65	.95	.35
Rabbit Cubes		2.00	1.15	.70	.30
Bran .....		.55			
Mixed Feed .....		.55			
Shorts .....		.65			

ATTENTION,
SALT BUYERS:
We are jobbers of both table and stock salt and can make you attractive delivered prices your station on earloads. Before purchasing any kind of salt, obtain our prices as we can save you money.



Attention, Turkey Growers!



Read How Mr. Miller Raised These Turkeys to All Grade No. 1

Farmington, Montana, January 4, 1933.

Graham & Ross, Great Falls, Montana.

Gentlemen:

I am anxious that you should know of the wonderful success that I had in feeding Diamond G Chick Mash and Growing Mash to my turkeys this year.

On April 8th I purchased 150 poults from Corvallis, Oregon. We started feeding Diamond G Chick Mash containing yeastfoam and Nopco Cod Liver Oil. They were fed this until they were six weeks old, at which time I changed them gradually to Diamond G Growing Mash and fed this until I marketed them. I sold the majority of my turkeys to the Great Falls Meat Company on or about November 10th, and they paid me a premium price of 22c per pound. This was 7 cents per pound over the market

for number one birds. They said they were willing to pay this because of the fine quality and because it was so hard to obtain good birds so early in the season. These turkeys averaged a little over 21 lbs. per bird. I did not lose any poults after I placed them on feed but had a shipping loss of eighteen birds due to poor train connections. I believe that your mash showed me a profit over any feed that I could have mixed myself of approximately 25% and there is no comparison between the body structure of these Diamond G fed birds with those that are allowed to rustle for themselves.

I am keeping a few extra breeders that are of exceptionally fine quality, and if you know of anyone who is interested in obtaining fast maturing stock that is of a standard breed please let me know. You may have these people write direct to me at Farmington or if you will send me their names, I will appreciate it.

Yours very truly,

Ora W. Miller.

DIAMOND "G" FEEDS ARE CLEAN

The picture shows an actual sample of strings, corn cobs, nails, bolts and dirt, removed by our modern cleaning equipment from a car of supposedly clean grain. All Diamond "G" Feeds and "X-L" Seeds are as clean as it is humanly possible to get them.

Our elevator and warehouse are open for inspection at any time and we always welcome visitors. We are pleased to show anyone how feeds and seeds are cleaned and how Diamond "G" Mashers are manufactured and the ingredients that go into them.



Field Seed Price List

WRITE FOR SAMPLES AND TESTS

Current Prices. The prices quoted are opening prices and subject to market changes. If lower, we shall refund the difference. All bags furnished free. All prices quoted F. O. B. Great Falls, add postage, express or freight.

Page 42				SEED OATS			
ALFALFA	100 lbs.	50 lbs.	25 lbs.		100 lbs.	50 lbs.	25 lbs.
"X-L" Super Grade.....	\$20.00	\$10.15	\$ 5.20	"X-L" Markton	1.45	.....	.....
"X-L"	19.00	9.65	4.95	"X-L" Swedish Select	1.50	.....	.....
Common	17.00	8.65	4.45	"X-L" Victory	1.55	.....	.....
Grimm, "X-L" Super Affidavit	23.00	11.65	5.95	"X-L" Victory, Registered Blue			
Grimm, "X-L" Affidavit	21.00	10.65	5.45	Tag	1.90	.....	.....
Grim, "X-L" Registered Blue							
Tag	25.00	.....	.....	MILLET			
10 lbs., \$3.00; 30 lbs., \$8.00;				Early Fortune	3.25	1.75	1.00
60 lbs., \$15 50. Sold in sealed				German	4.25	2.25	1.25
bags in these amounts.				Siberian	4.25	2.25	1.25
CLOVER				Hog Millet	3.25	1.75	1.00
"X-L" Yellow Blossom.....	6.50	3.40	1.80	Tamboff or Turghai Proso.....	5.00	2.65	1.40
Common Yellow	6.00	3.15	1.75	SORGHUM	4.00	2.15	1.20
"X-L" White	6.00	3.15	1.75	SPRING WHEAT—Write for Prices			
Common White	5.00	2.65	1.45				
ALSIKE							
"X-L"	20.00	10.15	5.20				
RED CLOVER				CORN			
"X-L" Medium	18.00	9.15	4.75		10 lbs.	BusheL	
"X-L" Mammoth	20.00	10.15	5.20	Falconer	\$.50	\$2.25	
				N. W. Dent .....	.50	2.25	
Page 43				Pioneer W. Dent .....	.50	2.25	
WHITE DUTCH CLOVER	40.00	20.15	10.25	Gehu .....	.50	2.25	
GRASSES				White Flint .....	.50	2.25	
Crested Wheat Grass.....	25 00	12.65	6.45	Elephant Fodder .....	.40	2.00	
Brome	11.00	5.75	3.10	RYE			
English Rye, Perennial.....	9.00	4.65	2.45		100 lbs.	50 lbs.	25 lbs.
Meadow Fescue	10.00	5.15	2.70	"X-L" Prolific	\$ 1.40	\$.85	\$.50
Orchard	14.00	7.15	3.70	Spring Rye	1.30	.80	.45
Red Top	13.00	6.65	3.45	RAPE			
Timothy	6.00	3.15	1.70	"X-L" Dwarf Essex	8.00	4.15	2.20
Western Rye or Slender Wheat	9.00	4.65	2.45	BEANS			
Sudan Grass	4.00	2.15	1.25	"X-L" Great Northern	4.50	2.40	1.30
Huntley Mixture	18.00	9.15	4.75	PEAS			
Kentucky Blue	19.00	9.65	5.00	"X-L" Mixed	4 00	2.15	1.20
Kentucky Blue, Super Grade.....	22.00	11.15	5.70	"X-L" Early Green Alaska.....	4.50	2.40	1.30
BARLEY				SUNFLOWER SEED			
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